

Tarakeswar Degree College

Programme Outcomes & Course Outcomes

Stream: Arts

1. Department of Bengali
2. Department of English
3. Department of Sanskrit
4. Department of History
5. Department of Philosophy
6. Department of Sociology
7. Department of Geography
8. Department of Music
9. Department of Political Science
10. Department of Physical Education
11. Department of Economics
12. Department of Education

Stream: Science

1. Department of Computer Science
2. Department of Chemistry

3. Department of Physics
4. Department of Mathematics
5. Department of Zoology
6. Department of Botany

Stream: Commerce

1. Department of Commerce

Stream: Management

1. Department of Business Administration

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**BENGALI (H) TARAKESWAR DEGREE COLLEGE,
HOOGHLY**

**Based on CBSC
PROGRAMME OUTCOMES (PO)**

At the End of three Years (BENGH) Programme , the student well be able to :

বি.এ. (অনাস) বাংলা বিভাগের শিক্ষার্থীদের প্রধান অর্জনসমূহ (৬-৭টি):

১. গভীর সাহিত্যিক জ্ঞান ও মূল্যায়ন: বাংলা সাহিত্যের বিভিন্ন ধারা ও সমৃদ্ধ ইতিহাসের বিশ্লেষণাত্মক জ্ঞান অর্জনের মাধ্যমে সাহিত্যকর্মের গভীর বোধ গড়ে উঠবে এবং সেগুলোকে স্বাধীনভাবে মূল্যায়ন করার দক্ষতা অর্জন করবে।

২. প্রগতিশীল ভাষাগত দক্ষতা: বাংলা ভাষার ব্যাকরণ, ব্যবহার ও বিকাশের ইতিহাস সম্পর্কে সম্যক ধারণা অর্জনের মাধ্যমে সাবলীল, পরিশীলিত ও ত্রুটিমুক্ত লেখালেখি ও কথাবার্তা বলার দক্ষতা গড়ে উঠবে।

৩. আলোচনামূলক ও গবেষণাগত চিন্তা: সাহিত্য ও ভাষা বিষয়ে স্বাধীনভাবে চিন্তা, বিশ্লেষণ ও মত প্রকাশ করার দক্ষতা বৃদ্ধি করবে। গবেষণা পত্র প্রস্তুত, তথ্য সংগ্রহ ও বিশ্লেষণের যথাযথ পদ্ধতি সম্পর্কে জ্ঞান অর্জন করে স্বাধীন গবেষণা পরিচালনার মনোভাব গড়ে উঠবে।

৪. কর্মসংস্থানের যোগ্যতা বৃদ্ধি: অনুবাদ, লেখাপড়া, সম্পাদনা, বিজ্ঞাপন, শিক্ষাবিদ্যা ইত্যাদি বিভিন্ন ক্ষেত্রে পেশাগত দক্ষতা অর্জন করে কর্মসংস্থানের বাজারে সফল হওয়ার যোগ্যতা তৈরি করবে।

৫. সংস্কৃতি ও ঐতিহ্য বোধ বৃদ্ধি: বাংলা ভাষা ও সাহিত্যের মাধ্যমে বাংলা সংস্কৃতি ও ঐতিহ্য সম্পর্কে গভীর বোধ গড়ে উঠবে এবং সেই জ্ঞানকে সমাজে প্রচার ও সংরক্ষণে সক্রিয় ভূমিকা নেওয়ার দায়িত্ব গ্রহণ করতে শিখবে।

৬. জীবনব্যাপী শিক্ষার মনোভাব: জ্ঞান অর্জনের প্রতি আগ্রহী হবে এবং জীবনব্যাপী শিক্ষার চর্চা করার মনোভাব বৃদ্ধি পাবে।

৭. সমালোচনাত্মক চিন্তা ও যোগাযোগ দক্ষতা: বিভিন্ন বিষয়ে সমালোচনাত্মক চিন্তাভাবনা ও যুক্তিযুক্ত যোগাযোগ দক্ষতা অর্জন করবে, যা ব্যক্তিগত ও পেশাগত জীবনে সফল হওয়ার ক্ষেত্রে সহায়ক হবে।

বাংলা (BENGALI) BA (HONOURS & GENERAL)

Course Object & Course Outcome

SEM	PAPER CODE	NAME OF THE PAPER	Course Object & Course Outcome
SEM – 1 (H)	CC- I	Bengla Sahityer Itihas- Prachin o Modhya Yug	<u>Course objective:</u> ১. বাংলা প্রাচীন সাহিত্যের ইতিহাস সম্পর্কে ছাত্রছাত্রীদের সম্যক ধারণা তৈরী ২. চর্যাপদ, শ্রীকৃষ্ণকীর্তন, অনুসারী সাহিত্য, চৈতন্যজীবনী ও বাংলা সাহিত্যে চৈতন্য প্রভাব সম্পর্কে ধারণা। ৩. মঙ্গল কাব্যের বিভিন্ন ধারা সম্পর্কে তাদের জ্ঞান বৃদ্ধি। ৪. চট্টগ্রামের রোসাও রাজসভার সাহিত্য যা সমকালীন সাহিত্যধারা থেকে আলাদা তা ছাত্রছাত্রীদের আকৃষ্ট করে। ৫. শক্তি সাধনা ও শাক্ত সাহিত্য সম্পর্কে ধারণা তৈরী।

			Course Outcome: ১. বাংলা সাহিত্যের প্রাচীন ধারা সম্পর্কে জ্ঞান বৃদ্ধি। ২. সেই সময়কার প্রাচীন বাংলা পুঁথি সম্পর্কে ধারণা। ৩. সেই সময়কার প্রাচীন লিপি সম্পর্কে ছাত্রছাত্রীদের সাধারণ ধারণা তৈরী। ৪. সাহিত্য রস সম্পর্কে তাদের আগ্রহ বৃদ্ধি।
SEM – 1 (H)	CC- II	Chanda, Alankar	Course objective: ১. ছন্দ সম্পর্কে সাধারণ ধারণা ২. ধ্বনি, বর্ণ, অক্ষর, মাত্রা, শ্বাসঘাত, ছেদ, যতি, পঠ, চরন, বাংলা ছন্দের রীতিগত বিভাগ ৩. বিভিন্ন ছন্দ যেমন – ত্রিপদী, পয়ার, অমিত্রাক্ষর, মুক্তবন্ধ, সনেট প্রভৃতি সম্পর্কে সম্যক ধারণা তৈরী। ৪. অলংকার সম্পর্কে ধারণা, তার মধ্যে শব্দালংকার, অনুপ্রাস, যমক, শ্লেষ, বক্রোক্তি অর্থালংকারের মধ্যে উপমা, রূপক, সঙ্কেয়, নিশ্চয়, ভ্রান্তিমান, অতিশয়োক্তি বিরোধভাস প্রভৃতি সম্পর্কে সম্যক ধারণা তৈরী। Course Outcome: ১. বাংলা কবিতার ছন্দ বোঝার এবং নিজের কবিতা রচনার সহায়তা প্রাপ্তি। ২. সাহিত্যের অলংকারের অর্থ বোঝা এবং নিজের ভাষা প্রয়োগ ও সাহিত্যে রচনার ক্ষেত্রে অভিজ্ঞতা অর্জন।
SEM – 1 (H)	GE	Prabandhya Sahitya: Bankimchandra , Rabindranath	Course objective: Course Outcome: ১. সাহিত্যের অন্যান্য শাখার থেকে প্রবন্ধ সাহিত্য তুলনামূলকভাবে কঠিন হলেও এই সিলেবাস ছাত্রদের প্রবন্ধ সম্পর্কে সহজ ধারণা তৈরিতে সহায়তা করবে। ২. প্রাবন্ধিক বঙ্কিমচন্দ্র ও রবীন্দ্রনাথ সম্পর্কে সুস্পষ্ট ধারণা তৈরী তৈরিতে সাহায্য করবে।
SEM – 1 (Gen)	CC- I A	Prabandhya Sahitya: Bankimchandra , Rabindranath	Course objective: প্রভাত কুমার মুখোপাধ্যায় এর নির্বাচিত পাঁচটি ছোট গল্প বাজিকর ভিখারি সাহেব রসময়ীর রসিকতা দেবী বলবান জামাতা। শরৎচন্দ্র চট্টোপাধ্যায়ের নির্বাচিত পাঁচটি ছোট ছোট গল্প মন্দির মহেশ রামের সুমতি মামলার ফল Course Outcome: ৩. সাহিত্যের অন্যান্য শাখার থেকে প্রবন্ধ সাহিত্য তুলনামূলকভাবে কঠিন হলেও এই সিলেবাস ছাত্রদের প্রবন্ধ সম্পর্কে সহজ ধারণা তৈরিতে সহায়তা করবে। ৪. প্রাবন্ধিক বঙ্কিমচন্দ্র ও রবীন্দ্রনাথ সম্পর্কে সুস্পষ্ট ধারণা

			তৈরী তৈরিতে সাহায্য করবে।
SEM – 1 (Gen)	CC- I B	GALPO: Prabhatkumar , Sarat Chandra	Course objective: প্রভাত কুমার মুখোপাধ্যায় এর নির্বাচিত পাঁচটি ছোট গল্প বাজিকর ভিখারি সাহেব রসময়ীর রসিকতা দেবী বলবান জামাতা। শরৎচন্দ্র চট্টোপাধ্যায়ের নির্বাচিত পাঁচটি ছোট ছোট গল্প মন্দির মহেশ রামের সুমতি মামলার ফল Course Outcome: ১. বাংলা সাহিত্যের সকল প্রকরণের মধ্যে ছোটগল্প তার বৈশিষ্ট্যের জন্য বিশেষ স্থান দখল করে থাকে ২. এই সিলেবাস ছোটগল্প সম্পর্কে আরো বেশি আগ্রহ তৈরি করবে ৩. ছোটগল্প রচনায় আগ্রহী করে তুলবে
SEM – II	CC-(L2-1)	Bangla Choto Galpo	Course objective: নির্বাচিত পাঁচটি ছোট ছোট গল্প মন্দির মহেশ রামের সুমতি মামলার ফল Course Outcome: ১. বাংলা সাহিত্যের সকল প্রকরণের মধ্যে ছোটগল্প তার বৈশিষ্ট্যের জন্য বিশেষ স্থান দখল করে থাকে ২. এই সিলেবাস ছোটগল্প সম্পর্কে আরো বেশি আগ্রহ তৈরি করবে ৩. ছোটগল্প রচনায় আগ্রহী করে তুলবে
SEM – II	AECC-2	Communicative English/MIL	Course objective: Course Outcome: ১. ভাষা সম্পর্কে বিশেষ করে মাতৃভাষা সম্পর্কে ছাত্রছাত্রীদের আরো বেশি আগ্রহী করে তুলবে। ২. সঠিক ও শুদ্ধ ধারণা তৈরি হবে ভাষা সম্পর্কে। ৩. মানুষের সঙ্গে ভাব বিনিময়ের ক্ষেত্রে তাদের সংকট দূরীভূত হবে।
SEM – II	CC-3	Baishanab Padabali- Shakto Padabali	Course objective: বৈষ্ণব পদাবলী: নির্বাচিত উনিশটি পদ পাঠ্য নীরদ নয়ন সহচর অঙ্গে গোরা, ইত্যাদি। শাক্ত পদাবলীঃ নির্বাচিত কুড়িটি পদ পাঠ্য, গিরিবর আমি আর গিরি এবার আমার উমা এলে, ইত্যাদি Course Outcome: ১. প্রাচীন এই সাহিত্য প্রকরণ সম্পর্কে ছাত্রছাত্রীরা নতুন করে জ্ঞান অর্জনের সুযোগ পাবে।

			২. প্রাচীন ঐতিহ্যকে সম্মান করতে শিখবে। ৩. নিজেও আগ্রহী হয়ে উঠতে পারে এই প্রকরণে নতুন কিছু সাহিত্য সম্ভার সৃষ্টিতে।
SEM – II	CC-4	Ramayana, Annadamongal	Course objective: রামায়ণ কুত্তিবাসী রামায়ণের লঙ্কাকাণ্ড অন্নদামঙ্গল অন্নদার ভবানন্দ ভবনে যাত্রা পর্যন্ত Course Outcome: - পৃথিবীর অন্যতম মহাকাব্য রামায়ণ, যার একটা ঐতিহ্য ও গুরুত্ব রয়েছে, যা জেনে নিজেদের ঐতিহ্য সম্পর্কে সম্মান করতে শিখবে। - এত ব্যাপক ও গভীর কাব্য সম্পর্কে তাদের সাহিত্য সম্পর্কে নতুন করে ভাবতে শেখাবে। - মঙ্গলকাব্যের সাহিত্য বৈশিষ্ট্য কাব্যগুণ ছাত্রদের নতুন কিছু সম্পর্কে ধারণা তৈরিতে সহায়তা দান করবে।
SEM – II	GE-2	GALPO: Prabhatkumar , Sarat Chandra	Course objective: প্রভাত কুমার মুখোপাধ্যায় এর নির্বাচিত পাঁচটি ছোট গল্প বাজিকর ভিখারি সাহেব রসময়ীর রসিকতা দেবী বলবান জামাতা। শরৎচন্দ্র চট্টোপাধ্যায়ের নির্বাচিত পাঁচটি ছোট ছোট গল্প মন্দির মহেশ রামের সুমতি মামলার ফল Course Outcome: - বাংলা সাহিত্যের সকল প্রকরণের মধ্যে ছোটগল্প তার বৈশিষ্ট্যের জন্য বিশেষ স্থান দখল করে থাকে - এই সিলেবাস ছোটগল্প সম্পর্কে আরো বেশি আগ্রহ তৈরি করবে - ছোটগল্প রচনায় আগ্রহী করে তুলবে
SEM – III	CC-1C	BENGALA SAHITTYER ITIHAS	Course objective: প্রভাত কুমার মুখোপাধ্যায় এর নির্বাচিত পাঁচটি ছোট গল্প বাজিকর ভিখারি সাহেব রসময়ীর রসিকতা দেবী বলবান জামাতা। শরৎচন্দ্র চট্টোপাধ্যায়ের নির্বাচিত পাঁচটি ছোট ছোট গল্প মন্দির মহেশ রামের সুমতি মামলার ফল Course Outcome: - বাংলা সাহিত্যের ইতিহাস সম্পর্কে স্পষ্ট ধারণা তৈরি। - সাহিত্যকর্ম ও সাহিত্য সম্পর্কে উৎসাহ বৃদ্ধি। - সৃষ্টিশীল সাহিত্য রচনার ক্ষেত্রে গড়ে ওঠার ক্ষেত্রে সহায়তা দান।
SEM – III	SEC-1	BENGALA BYAKARAN	Course objective: Course Outcome: ভাষাকে সঠিকভাবে প্রয়োগ করতে গিয়ে কারণ জানাটা প্রয়োজন এবং এই সিলেবাস ছাত্র-ছাত্রীদের সেটা পূর্ণ

			করতেসহায়তা দান করবে। ২. দৈনন্দিন জীবনে যে ভাষা ব্যবহার করা হয় শুদ্ধ ভাবে বলতে ব্যাকরণ আমাদের সাহায্য করবে।
SEM – III	CC-5	Bangla Sahityer Itihas (1801-1950)	<u>Course objective:</u> ১. বাংলা গদ্যের উৎস ও ক্রমবিকাশ ২. বাংলা কাব্য সাহিত্য ৩. কথাসাহিত্য উদ্ভব ও ক্রমবিকাশ ৪. নাট্য সাহিত্যের উদ্ভব ও ক্রমবিকাশ ৫. প্রবন্ধ সাহিত্য উদ্ভব ও ক্রমবিকাশ <u>Course Outcome:</u> ১. বাস্তব বিষয় নিয়ে কোন কিছু লেখার বোর্ড তৈরি। ২. নিজস্ব রচনা শক্তির উৎকর্ষ বৃদ্ধি করা। ৩. নিজস্ব রচনা শক্তির নৈপুণ্য ছাত্রের আত্মশক্তি বিকাশে সহায়তা দান করবে।
SEM – IV	CC-1D	Bhasatattwa	<u>Course objective:</u> <u>Course Outcome:</u> ১. ভাষার প্রতিটি অক্ষর ও শব্দ কিভাবে কোন কোন পরিবর্তনের ধারা বেয়ে তা বর্তমান রূপ পেয়েছে তাঁর সম্যক ধারণা তৈরি। ২. শব্দের ব্যবহার, তার রূপতাত্ত্বিক ও ধ্বনিতাত্ত্বিক ব্যবহার ইত্যাদি সম্পর্কে ধারণা তৈরি।
SEM – IV	CC-(L2-2)	Bengla Kabita	<u>Course objective:</u> <u>নির্বাচিত দশটি কবিতা</u> <u>Course Outcome:</u> ১. কবিতার ছন্দ কাব্যিক ভাষা সম্পর্কে ধারণা তৈরি সাহিত্যের এই প্রকরণ সম্পর্কে সঠিক ধারণা তৈরি হওয়া। ২. কবিতা রচনায় প্রতি আকর্ষণ ও আগ্রহ তৈরিতে সহায়তা দান।
SEM – IV	SEC-2	Rachana Shaktir Naipunya	<u>Course objective:</u> <u>Course Outcome:</u> ৪. বাস্তব বিষয় নিয়ে কোন কিছু লেখার বোর্ড তৈরি। ৫. নিজস্ব রচনা শক্তির উৎকর্ষ বৃদ্ধি করা। ৬. নিজস্ব রচনা শক্তির নৈপুণ্য ছাত্রের আত্মশক্তি বিকাশে সহায়তা দান করবে।
			৭.
SEM-V	CC-11	Galpa	<u>Course Objective</u> ১. গল্পগুচ্ছ- রবীন্দ্রনাথ ঠাকুর ২. একালের গল্প-বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত <u>Course Outcome</u> ১. মানব চরিত্র বিশ্লেষণে বিচক্ষণতার জন্ম দেবে ২. নিত্য-নতুন চিন্তা,চেতনি ভাবনার জ্যারিত করবে মনের জগৎ

			৩. পাঠ্যভ্যাস তৈরিতে সক্ষম হবে
SEM-V	CC-12	Prabandha `o` Prachya karya tattwa	<u>Course Objective</u> ১. প্রবন্ধ সংকলন-বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত ২. কাব্য জিজ্ঞাসা-অতুলচন্দ্র গুপ্ত (ধনি,রস) <u>Course Outcome</u> ১. যুক্তি,বুদ্ধি,তত্ত্বের-আহরনে সক্ষম হবে ২. নিজের মতো করে ভারতে ও ব্লেষণ করতে শিক্ষা দেবে ৩. প্রাচীন কাব্যতত্ত্ব সম্পর্কে সঠিক ধারণা দেবে
SEM-V	DSE-1	Unit Shataket Bangla Kavya `o` Prabandha	<u>Course Objective</u> ১. উনিশ শতকের বাংলা গীতিকবিতা ও আখ্যানকাব্য ২. উনিশ শতকের বাংলা প্রকল্প <u>Course Outcome</u> ১. মনের পসার ঘটাবে ২. যুক্তি সম্মত মনন স্বল্প ভাবনার জন্ম দেবে
SEM-V	DSE-II	Unish Shataker Bangla Natok `o` Katha Sahitya	<u>Course Objective</u> ১. উনিশ শতকের বাংলা নাটক ২. উনিশ শতকের বাংলা উপন্যাস ও ছোটগল্প <u>Course Outcome</u> ১. নিবিড় পাঠের মধ্য দিয়ে নতুন ভাবে জীবন দর্শন তৈরিতে সাহায্য করবে ২. ভারতের রাজনৈতিক,সামাজিক ইতিহাস সম্পর্কে-প্রতক্ষ জ্ঞানলাভ করতে সক্ষম হবে
SEM-VI	CC-13	Sanskrit o English-Sahityer Itihas	<u>Course Objective</u> ১. সংস্কৃত সাহিত্যের ইতিহাস- রামায়ন,মহাভারত,কালিদাস,শুদ্রক ইত্যাদি ২. ইংরাজি সাহিত্যের ইতিহাস সার,মেক্সপীয়ার,মিলটন-ইত্যাদি <u>Course Outcome</u> ১. প্রাচীন ভারতীয় সাহিত্য ও দর্শন সম্পর্কে মম্যক ধারণা হবে ২. বিদেশি ভাষা সম্পর্কে নতুন ধারণা,জ্ঞানলাভ হওয়ার পাশাপাশি পাচ্য-পাশ্চাত্য ভাবনার মেলবন্ধন ঘটাতে সাহায্য করবে
SEM-VI	CC-14	Sahityer Rupriti o Sanghup	<u>Course Objective</u> ১. সাহিত্যের রূপরীতি- ক্লাসিসিজম,রোমান্টিসিজম,ট্রাজিডি ইত্যাদি ২. সাহিত্যের সংরূপ বাংলা কবিতা,নাটক,উপন্যাস-ইত্যাদি স্বরূপ উদ্ভব-বিকাশ <u>Course Outcome</u> ১. সাহিত্যের বিভিন্ন দর্শন,আন্দোলন ও তাদের ইতিহাস জানতে সহায়ক হবে ২. দেশ-বিদেশের সাহিত্যের সঙ্গে বাংলা তথা ভারতীয় সাহিত্যের তুলনামূলক আলোচনার মাধ্যমে জ্ঞানের জগৎ সমৃদ্ধ হবে
SEM-VI	DSE-3	Bish Shataker Bangla Katha Satitya	<u>Course Objective</u> ১. বিশ শতকের (স্বাধীনতা পূর্ব) বাংলা গল্প ২. বিশ শতকের (স্বাধীনতা পূর্ব) বাংলা উপন্যাস

			<u>Course Outcome</u> ১. স্বাধীনতা পূর্ব ভারতের তথা বাংলার সমাজ আন্দোলন, ইতিহাস সম্পর্কে জ্ঞানলাভ হবে এবং ছাত্র-ছাত্রীদের সমৃদ্ধ করবে
SEM-VI	DSE-4	Sahitya Prishoyok Prabandha Laka sahilya	<u>Course Objective</u> ১. প্রবন্ধ রচনা ২. লোক সংস্কৃতি ও লোকসাহিত্য <u>Course Outcome</u> ১. লোকজ ভাবনায় অনুপ্রানীত করবে ২. বাংলার গ্রামীণ সংস্কৃতি, ইতিহাস ও সম্প্রাদায়িক সম্প্রীতির শিক্ষা দেবে ৩. প্রচীন লোকচার, ভারতীয় সাহিত্যের শিকড়ের সন্ধান দেবে ৪. রূপকথা, লোককথা, মিথ, এবং বাংলার মৌল সংস্কৃতি সম্পর্কে প্রভূত জ্ঞান লাভ হবে

**TARAKESWAR DEGREE COLLEGE
DEPARTMENT OF ENGLISH**

**B.A. HONOURS PROGRAMME
IN
ENGLISH
UNDER SEMESTER WITH CBCS (University of Burdwan)**

Programme Outcome

PO-1: Students will be able to critically involve themselves with literary texts by processing information.

P.O.-2: The capacity of expressing critical ideas in speech and writing would be one of the key outcomes.

P.O.-3: Students will interact effectively with peers, faculty and management and effectively develop themselves in holistic cognizance of their surroundings and appreciate aesthetics in everyday life.

P.O.-4: Students will be able to discern the moral conundrums that are present in everyday life and be able to identify the right path based on the value system inculcated in them by the institution.

P.O.-5: The programme will inspire students to constantly upgrade their knowledge and skills.

COURSE OUTCOMES: B.A. HONOURS PROGRAMME IN ENGLISH

Semester-I

CC-I (Indian Classical Literature)

1. The students will gain knowledge about the Classical Literature of India.
2. They will also learn about the classical playwrights of India.
3. They will gain knowledge about Epic Tradition of India.
4. They will get to know about the theories related to the classical epics and plays of India.

CC-II (European Classical Literature)

1. The students will gain basic knowledge of the genres of European Classical Literature.
2. They will gain knowledge about the difference between tragedy and comedy.
3. They will be able to teach classical literature as well.
4. They will comprehend the widely divergent theatrical tradition as represented by Sophocles and Plautus.

Semester-II

CC-III (Indian Writing in English)

1. The students will gain basic knowledge of the genre of Indian Writing in English.
2. They will gain knowledge about the Indian poets, dramatists, novelists.
3. They will be able to teach Indian English literature as well.
4. They will comprehend the widely divergent themes like Indian English, Indian English Literature and its Readership, Themes and Contexts of the Indian English Novel, The Aesthetics of Indian English Poetry, Modernism in Indian English Literature.

CC-IV (British Poetry, Drama (16th – 17th Centuries) & Rhetoric and Prosody)

1. The students will come to know about Shakespeare, his poetry and dramas..

2. They will also learn about other British playwrights like Marlowe.
3. They will gain knowledge about Renaissance Humanism, The Stage, Court and City, Religious and Political Thought, Ideas of Love and Marriage, The Writer in Society.
4. They will get to know about the theories related to Shakespearean plays .

Semester-III

CC-V (American Literature)

1. Students will gain primary knowledge about the history of American Literature.
2. They will also learn about American Dream and Social Realism.
3. They will learn about Black Women's Writings.
4. Questions of Form in American Poetry.

CC-VI (Popular Literature)

1. Students will gain basic knowledge about this particular genre.
2. They will have knowledge about the difference Canonical and Popular Literature.
3. They will learn the difference between Sense and Nonsense.
4. They will learn about Graphic Novel.

Semester-IV

CC - VIII: British Literature (18th Century)

1. Students will gain basic knowledge about 18th century.
2. They will have knowledge about the Enlightenment and Neoclassicism, Restoration Comedy, The Country and the City, The Novel and the Periodical Press.
3. They will learn about writers like William Congreve, Thomas Gray, William Collins
4. They will learn about Daniel Defoe, Jonathan Swift.

CC - IX: British Romantic Literature (18th Century)

- 1 Students will gain basic knowledge about 18th century British Romantic Literature.
- 2 They will have knowledge about Romanticism.
- 3 They will learn about concepts like Reason and Imagination, Conceptions of Nature, Literature and Revolution, The Gothic, The Romantic Lyric
- 4 They will learn about Romantic poets and novelists.

CC-VII (British Poetry and Drama- 17th-18th Century)

1. Students will learn about Religious and Secular Thought in the 17th Century.
2. They will learn about Mock-epic and Satire.
3. They will also learn about 17th Century Women writers.
4. They will learn about Comedy of Manners.

SEC-I (Translation Studies)

1. The students will be able to trace the history of Translation Studies in India and understand the challenges faced in a multilingual country like India.
2. They will be able to understand the different modes and types of translation.
3. They will develop a better understanding of translation as a practice and various challenges involved in it.
4. They will be able to use technological tools for translation.

Semester-V

CC-XI (Women's Writing)

1. The students will get to know about the Confessional Mode in Women's writing.
2. They will learn about sexual politics.
3. They will also gain knowledge about Race, Caste and Gender.
4. They will also learn about Social Reform and Women's Rights.

CC-XII (British Literature- early20th Century)

1. The students will have basic knowledge of Modernism, Post-Modernism and European cultures.
2. They will get to know about women's movement in the early 20th century.
3. They will also learn about Psychoanalysis and Stream of Consciousness.
4. They will also know about the Uses of Myth in Literature and also the Avant Garde.

DSE-1 (Modern Indian Writing in English Translation)

1. The students will learn about the Aesthetics of Translation.
2. They will have knowledge about Linguistic Regions and Languages.
3. They will learn about Modernity in Indian Literature.
4. They will get to know about Caste Gender and Resistance in India.

DSE-2 (Partition Literature)

1. The students will learn about Colonialism, nationalism and the Partition of India.
2. They will get to know about Communalism and violence.
3. They will learn about Homelessness and Exile.
4. They will learn about the suffering of women during and after the Partition.

Semester-VI

CC-XIII (Modern European Drama)

1. The students will get an overview of modern European dramatists and their seminal works.
2. They will get to know about Ibsen and Ienosco.
3. They will learn about Brecht and Beckett.
4. They will learn about Politics, Social Change and the Stage, Text and Performance, European Drama: Realism and Beyond, Tragedy and Heroism in Modern European Drama, The Theatre of the Absurd

CC-XIV (Postcolonial Literatures)

1. The students will get an overview of the concept of Post colonialism
2. They will get to know about Postcolonial literatures across the globe.
3. They will learn about Postcolonial poetry, novels.
4. They will learn about the seminal works of eminent writers around the world including Indian writers like Mahasweta Devi.

**TARAKESWAR DEGREE COLLEGE
DEPARTMENT OF ENGLISH**

**B.A. GENERAL PROGRAMME
IN
ENGLISH
UNDER SEMESTER WITH CBCS (UNIVERSITY OF BURDWAN)**

Programme Outcomes (General):

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

COURSE OUTCOMES: B.A. GENERAL PROGRAMME IN ENGLISH

Semester-I

CC-IA (Poetry and Short Story)

1. The students will have a basic knowledge about the genres of English Literature.
2. They will get to know about notable writers of English Literature.
3. They will gain knowledge about the difference between a sonnet and a poem.
4. They will learn the usage of humour in a text.

Semester-II

CC-IB (Essay, Drama and Novel)

1. The students will have a basic knowledge about the essays, dramas and novels.
2. They will get to know about notable essayists, dramatists and novelists of English Literature.
3. They will gain knowledge about the difference between an essay and a drama.
4. They will learn the scope of a novel..

Semester-III

CC-IC (Contemporary India: Women and Empowerment)

1. The students will learn about the basic ideas of Masculinity and Femininity.
2. They will understand the difference between sex and gender.
3. They will get to know about Gender Socialization and Gender Discrimination.
4. They will also learn about women's movements in India.

Semester-IV

CC-ID (Academic Writing and Composition)

1. The students will learn about the basic ideas of Academic writing and Composition.
2. They will understand the importance of Academic writing in today's world.
3. They will get to know about how to write a composition.
4. They will also learn about editing a book and media review. .

Semester-V

DSE-1 (British Literature)

1. The students will learn about the basic ideas of British drama.
2. They will get to know about Shakespearean comedy.
3. They will understand the differences of literary genres.
4. They will learn about formal essay and personal essay.

Course Outcome (General Elective)

Semester-I

CC-L1-1 (Language, Variety and Stylistics)

1. The students will learn about the basic ideas of Language and Communication.
2. They will get to know about Standard and Non-Standard Language.
3. They will understand the differences between Declarative and Expressive forms of Language.
4. They will learn about Register, Collocation and Style.

Semester-II

CC – 1B : ESSAY, DRAMA & NOVEL

1. The students will learn about the basic ideas of Essay, Drama & Novel.
2. They will get to know about the European as well as Indian writers who practiced the various genres.
3. They will understand the styles, themes and usage of language by eminent writers like Shaw, Hemmingway
4. They will learn about works of Priestly and RK Narayan.

Semester-III

CC-L1/2 (Language, Imagination and Creativity)

1. The students will learn about the basic ideas of Figures of Speech.
2. They will get to know about Foregrounding devices like Parallelism and Deviation.
3. They will understand the differences between Plain Language and Figurative language.
4. They will learn about various types of Ambiguity.

Semester-IV

CC-1D (Academic Writing and Composition)

1. The students will learn about the Introduction to the Writing Process: Conventions of Academic Writing, Writing in one's own words – Summarizing and Paraphrasing.
2. They will get to know about Critical Thinking: Syntheses, Analyses, and Evaluation
3. They will learn the subtle nuances of Structuring an Argument: Introduction, Interjection, and Conclusion .
4. They will learn about Citing Resources, Editing, Book and Media Review.

SEMESTER - VI

DISCIPLINE SPECIFIC COURSE (DSE)- 2:

A: Indian Literature in Translation

Programme outcome:

1. Enhances the students' knowledge regarding Linguistic Regions and Languages.
2. Helps students to get familiarized with issues like Caste, Gender and Resistance.
3. Helps students become sensitized to issues like marginalization and subjugation of women.
4. Inculcates Social and Political issues and thus Helps students arrive at a broader vision of the world.

Course Outcomes:

1. To help students develop the acumen to read, appreciate and discuss literature.
2. To introduce students to the linguistic qualities of Literary texts and to unravel the many meaning of the text.
3. To acquaint the students with different genres of literature and to analyse them.
4. To foster among learners an awareness of the diverse problems faced by women and The Textual minorities and to promote a Culture of inclusion and mutual respect.

**TARAKESWAR DEGREE COLLEGE
DEPARTMENT OF SANSKRIT**

**B.A. HONOURS PROGRAMME
IN
SANSKRIT
UNDER SEMESTER WITH CBCS (University of Burdwan)**

Programme Outcome of B.A. in Sanskrit (Hons.)

P.O.-1: Strong foundation in Sanskrit language: Cultivate a profound grasp of Sanskrit grammar, vocabulary, and syntax to facilitate the comprehension and interpretation of classical texts.

P.O.-2: Critical appreciation of Sanskrit literature: Acquire in-depth knowledge of diverse genres in Sanskrit literature, such as poetry, drama, prose, and philosophical writings, with the capacity to analyze and evaluate them critically.

P.O.-3: Effective communication skills in Sanskrit: Develop expertise in reading, writing, speaking, and listening to Sanskrit, enabling articulate and precise communication in various settings.

P.O.-4: Understanding of Indian culture and heritage: Obtain a deeper understanding of India's rich cultural heritage by studying Sanskrit literature, philosophy, and religious texts.

P.O.-5: Proficiency in conducting research in Sanskrit: Acquire the necessary skills for conducting independent research using primary and secondary sources in Sanskrit, including critical analysis, interpretation, and argumentation.

P.O.-6: Recognition of the interconnectedness of knowledge: Comprehend the interrelation between Sanskrit and other fields of study, promoting a comprehensive perspective on knowledge and education.

P.O.-7: Strengthened critical thinking and analytical skills: Enhance critical thinking and analytical skills through the rigorous study of Sanskrit language and literature, applicable to various facets of life.

P.O.-8: Enhanced communication and interpersonal skills: Improve communication, collaboration, and presentation skills through active participation in discussions, debates, and presentations in Sanskrit.

U. G. Course Outcome

Sanskrit Honours

Semester -1

CC-1

Classical Sanskrit Literature (Poetry)

Section- A

Raghuvaṃśam

Written by Kalidasa, this epic narrates the tale of Dilipa, a righteous Ikshvaku king who undertakes a pilgrimage to the sage Vashistha's ashram in order to beget a son. This text provides extensive information about the duties and responsibilities of an ideal king and life in ashramas.

Section- B

i) Kirātārjunīyam

One of the earliest texts dealing with espionage and intelligence gathering. This epic by Bharavi describes a spy's account of Duryodhana's rule over Hastinapur to Yudhisthira. It deals extensively with the principles and best practices of ruling over a kingdom.

ii) The History of Sanskrit Literature

This Section taught the utility of poetry by which students can learn aesthetic concept.

CC-2

Critical Survey of Sanskrit Literature

Section- A

i) Vedic Literature

A study of vedic literature provides invaluable insights into our culture and the Hindu way of life. Moreover research has demonstrated that the phonetics of vedic mantra has roots in various energy points of the body and reciting these mantras stimulates these points and raises energy level.

ii) Rāmāyaṇam

One of the largest epic in world literature, the Ramayanam helps us comprehend significance of relationships and provides a vivid portrayal of the ideal relationship. It also renders ethical and philosophical teachings fundamental to the Hindu cultural consciousness.

iii) Mahābhārata

The Mahabharata is the longest epic in the world. Among other things it contains devotional and philosophical material central to the ancient culture. It also makes us aware of the four goals of life and the importance of work.

Section- B

i) Purāṇas

Particularly dealing with legends and other traditional lore, the Puranas are known for their intricate layers of symbolism. They provide us with

vital information about myriad subjects such as grammar, medicine, cosmology etc.

ii) The History of Sanskrit Grammar

Vyakarana is the backbone of any literature. Sanskrit vyakarana is most powerful and effective among all languages. Most of the world literature have taken something from Sanskrit vyakarana. It has highest number of vocabularies. A sound understanding of grammar serves to strengthen our grasp over various linguistic structures.

iii) The History of Indian Philosophy

In this Section we also learn different school of Indian philosophy and six major school of Indian poetics.

Semester-2

CC-3

Classical Sanskrit Literature (Prose)

Section- A

śukanāśopadeśa- In this part of Kadambari social and political thoughts of Banabhatta has been depicted.

Section- B

Rājavāhanacaritam- Poetic excellence of Dandin is at its peak in this prose.

Section- C

i)The History of Sanskrit Literature (Prose)

This Section taught the utility of prose by which students can learn aesthetic concept.

ii)The History of Sanskrit Literature (Fables)

The Panchatantra illustrates the central Hindu principles of Niti . It highlights the importance of practical pedagogy and the pivotal role played by a teacher.

CC-4

Self-Management in The Gita

Section- A

Srimadbhagavadgita (Adhyaya-4th)

The Gita expounds upon the nature of the Mind and the role of Atman. It also discusses the three Gunas vis-à-vis their impact on the mind.

Section- B

I)Meditation- Adhyaya-VI

The Gita describes the various causal factors of conflict and the means of controlling the mind. The importance of discipline balanced life and diet control as well as thinking clearly are impressed upon us.

ii) Diet Control- Adhyaya-XVII

The Gita instruct us to acquire moral qualities and abandon frivolous debates with highlights the significance of surrendering one's ego towards achieving self-management.

iii) Rajoguna – Adhyaya-III

The Gita describes the various causal factors of conflict and the means of controlling the mind. . It also discusses the Rajogunas impact on the mind.

Semester-3

CC-5

Classical Sanskrit Literature (Drama)

Section-A

Abhijnanashakuntala (I-V)

Sanskrit drama by [Kalidasa](#) composed about the 5th century CE that is generally considered to be the greatest Indian literary work of any period. Taken from legend, the work tells of the seduction of the nymph [Shakuntala](#) by King Dushyanta, his rejection of the girl and his child, and their subsequent reunion in heaven.

- i) Students will have advanced command on Sanskrit language, through advanced text reading and basic knowledge in Prakrit, Sanskrit,

- ii) Students can acquire capacity to appreciate the need to have alternative perspectives in Sanskrit,
- iii) Students can take the knowledge about inter-cast marriage, female education, duties of good housewife, police system, penalty of thief, revenue system, law of inheritance of ancient Indian society and it can be useful for multi-disciplinary research on history and socio-economic life,
- iv) This drama will remind the student the importance of nature in human life.

Section- B

i) History of Sanskrit Literature drama

- i) This Section aims to get students acquainted with the journey of classical Sanskrit drama from pre-Kalidasa to post-Kalidasa period,
- ii) It aims to provide information to the students about the life of dramatists and their works, like, Bhasa, Kalidasa, sudraka, Visakhadatta, Sriharsa, Bhavabhuti, Bhattanarayana, and students can understand the spread and influence of Sanskrit drama and culture through the ages in various parts of India.

CC-6

Poetics and Literary Criticism

Section-A

i) Kavyalamkar Sutravrtti

- i) This Section aims the students to learn the classification of poetics,
- ii) Analyze literary works for their structure and meaning,
- iii) Identify and describe distinct literary characteristics of poetic forms.
- iv) Effectively communicate ideas related to the poetic works during class and group activities.

ii) Metrics

Develop an introductory knowledge about the Metrics of classical Sanskrit poetry .This develops capacity for creative writing and literary appreciation.

Section – B

Sahityadarpana – Chapter –X

Students can learn about the general introduction of Indian Petrology and the definitions, nature and classification of various arthalaṅkāra and śabdalaṅkāra (according to Sahityadarpana).

CC-7

Indian social Institutions and Polity

Section-A

Manusamhita- Chapter - VII

Social institutions and Indian Polity have been highlighted in *Manusamhita*. The aim of this course is to make the students acquainted with various aspects of social institutions and Indian polity as propounded in the ancient Sanskrit texts .

Section- B

Arthasastra

Social institutions and Indian Polity have been highlighted in *Arthasastra*. The aim of this course is to make the students acquainted with various aspects of social institutions and Indian polity as propounded in the ancient Sanskrit texts.

Sec-1

Basic Sanskrit

Section- A

Brahmi Script Writing

Students will be able to understand how the Brāhmī script was deciphered and contribution of scholars in the field of epigraphy.

Section-B

Declensions

- They can write and speak correctly.
- They gain the knowledge of Declensions.

Section-C

Conjugations

This course enables the students to learn and acquire the Advance knowledge of Derivational process of the Sanskrit Verbal Morphology based on the sidhantakoumudi.

Section-D

Translation

Students would be able to translate simple Bengali- sentences into Sanskrit languages.

Section-E

Brahmadatta-Karkata-Katha- (Apariksitakaraka)-from Pancatantra

Students will know about the influence of Sanskrit fable Pañcatantra in world literature. Students will have advanced command on Sanskrit language, through advanced text reading and basic knowledge in Sanskrit.

Semester – IV

CC-8

Indian Epigraphy and Chronology

Section-A

Epigraphy – The History of Epigraphical Study in India

Students will be able to understand:

- i) The terminology of epigraphy and types of inscriptions,
- ii) The contemporary relevance and utility of studies of inscriptions in the reconstruction of Ancient Indian history and culture,
- iii) How the Kharostī and Brāhmī script was deciphered and contribution of scholars in the field of epigraphy.

Section-B

Silalekh –

a) Rudradamansilalipi, b) Meharauli Iron Pillar Inscription of Candragupta

Students will be able to apprehend:

- i) The origin of early Indian script, development of the script,
- ii) The palaeographical methods and analysis and classification of distinct styles of writing.

- iii) Information about writing materials, inscribers and library.

Students will accumulate knowledge from selected inscriptions like Rudradamansilalipi, Meharauli Iron Pillar Inscription of Candia, etc.

CC-9

Modern Sanskrit Literature

Section- A

Survey of Modern Sanskrit Literature in Bengal -

Students will learn about the contributions of Bengal pioneers (like Swami Vivekananda, Sri Aurobindo, DayānandaSarasvatī to modern Scholars like Rama Choudhuri, Ramaranjan Mukherjee, Srijiva Nyayatirtha, Sukhamaya Mukhopadhyaya etc.).

Section-B

i) Samskrtooddharana- Sukhamaya Mukhopadhyaya,

ii) Chipitakacarvana – Srijiva Nyayatirtha-

Students will gain knowledge about the modern Sanskrit literature in Bengal by Sanskrit writers and the simplicity of the Sanskrit language in modern writings.

CC-10

Sanskrit and World Literature

Section-A

Sanskrit Studies Across the World -

Students will acquire the capacity to validate the popularity of Sanskrit studies across the world. Students will learn about the contributions of western and Indian scholars (like Max Müller, William Jones, Swami Vivekananda, Sri Aurobindo etc.) in the field of Sanskrit studies.

Sec-2

Political Thought of Sanskrit Literature

i) Mudraraksasa (Act-I&II)

Written by Vishakhadatta, Mudrarakshasa is a Nataka which emphasizes on Chanakya's political strategies and methods. It contains a vivid portrayal of practices germane to espionage which were employed by Chanakya to serve his purposes.

ii) Arthasastra- Sasanadhikara

Attributed to Kautily, Arthasasatra is one of the most significant Political text in Sanskrit Literature. Rife with intrigue and politics, Arthasastra provides invaluable insights into the socio-political conditions of the time.

Semester – V

CC-11

Vedic Literature

Section-A

Rgvedasamhita (Agnisukta, Indrasukta, Aksasukta, Devisukta)

Students are pursuing the course of Vedic Texts endowed her to develop a critical perspective to assess existing research through careful reading, analysis and discussion. The students can take the knowledge about the classification of veda, socio economic life of the Aryans, women education, teacher and taught relation and philosophical importance.

Section-B

Vedic Grammar

The students would know Vedic Grammar and also know the differences between classical and Vedic Grammar.

Section-C

Isopanisd

The course acquiring the knowledge about holistic spirits, self-confidence and Sectionular attitude and logical mind.

CC-12

Sanskrit Grammar

Section-A

The Concept of the Samjnas

This course help to develop the concept of the specific method of grammar according to the Perspective of BhattojiDiksita's SiddhantaKaumudi. To familiarize students about compound

constructions of Sanskrit words. Be able to realize the internal and external factors of influence for greeting poetry.

Section-B

Samasa

- Learning the Sanskrit Grammar they clearly communicate in Sanskrit.
- Learning the proper grammar they express their thoughts and ideas.
- They can write and speak correctly.
- They gain the knowledge of *stripratyaya*.

DSE-1

Dramaturgy – Sahityadarpana – Chapter – VI

From *Sahityadarpana* students can learn verity of stages and other important topics regarding drama or stage performances. This course will help to enhance students' basic analytical & critical thinking and communicative competencies. Through *Sāhityadarpana* students can know- variety of *Rupaka*, definition of *Nāṭaka*, character of *Nāyaka* and *Nāyikā* in various *Rupaka*, what is to be shown in a drama or not, vast knowledge about performing a *Rupaka* in ancient stage etc.

DSE-2

Elements of Linguistics

Linguistics is the scientific study of language, and its focus is the systematic investigation of the properties of particular languages as well as the characteristics of language in general. Students will accumulate knowledge from some phonetic laws and tendencies like Grimm's law, Verner's law etc.

Semester –VI

CC-13

Indian Ontology and Epistemology

Section-A

Tarkasamgraha

- A conceptual perspectives that human behaviors and actions are largely determined by stimuli which are not off their own making.
- The relevance of the emergence of debate for philosophical activity in India.
- The significance of epistemology in Indian Philosophy and the sense in which religion is involved in it.
- An attempt to extract some intercultural aspects of the history of Indian Philosophy.

Section-B

Vedantasar

This course aims to get the students acquainted with the Indian principles of debate and its application not just in philosophical dialogue, but in every walk of knowledge. The students could relate the philosophical theory in practical life.

CC-14

Sanskrit Composition and communication

Section-A

Case-ending and Cases

- This course will be increase the sense of grammar and develop their systematic knowledge, because the knowledge of grammar is a pillar of languages.
- Help gaining proficiency in Sanskrit language.
- It give holistic and comprehensive understanding of the subject.
- Understanding the syntax and rules of Sanskrit language.

Section-B

Translation and comprehension

- Students would be able to translate simple Bengali sentences in to Sanskrit Languages, and would be able to use the traditional Lexicon.
- Realizes the value of language diversity.
- Motivated to learn new Languages.

Section-C

Reporting

- The students could learn to write report in Sanskrit language and also learn how to summarize a general incident.

•The course is to expose students to the rich and profound tradition of creative writing in Sanskrit. Also enriched by new genres of writing.

DSE-3

Environmental Awareness in Sanskrit

Section-I

Manusamhita

Social institutions and Indian Polity have been highlighted in *Manusamhita*. The aim of this course is to make the students acquainted with various aspects of social institutions and Indian polity as propounded in the ancient Sanskrit texts.

Section-II

Varahapurana

The *Varaha Purana* is a Sanskrit text from the Puranas genre of literature in Hinduism. It belongs to the Vaishnavism literature corpus praising Narayana (Vishnu), but includes chapters dedicated to praising and centered on Shiva and Shakti (goddesses it calls Brahmi, Vaishnavi and Raudri). The *Varaha Purana* includes mythology, particularly of the Varaha incarnation (avatar) of Vishnu rescuing the earth (Prithvi) at the time of a great flood. The text also includes mythology of goddesses and Shiva, and a discussion of Karma and Dharma called *Dharmasamhita*. A study of *Varaha Purana* provides invaluable insights into our culture and the Hindu way of life.

Section-III

Yajnavalkyasamhita

The text is written in the form of a male-female dialogue between the sage Yajnavalkya and Gargi. The aim of this course is to make the students acquainted with various aspects of social institutions .

DSE-4

Art of Balanced Living

Section-A

Yogasutra-I, II

The Yogasutra describes the various causal factors of conflict and the means of controlling the mind. The importance of discipline balanced life as well as thinking clearly are impressed upon us.

Section-B

Srimadbhagavadgita – Chapter- III

The Gita expounds upon the nature of the Mind and the role of Atman. It also discusses the karmas impact on the mind.



DEPARTMENT OF HISTORY TARAKESWAR DEGREE COLLEGE

HISTORY HONOURS

Course Outcome of the Curriculum

The students would be able to understand the following after the completion of the three years CBCS courses

CC Paper-I History of India I (From Earliest Times to 600 AD)

- CO1:** Reconstructing Ancient Indian History Early Indian notions of History.
- CO2:** Sources and tools of historical reconstruction.
- CO3:** Historical interpretations with special reference to gender, environment, technology and regions.
- CO4:** Phases of Pre-historic Cultures.
- CO5:** The Harappan civilization Origins; basic features, decline and the late/post-Harappan traditions. Development and cultures during post Harappan period.
- CO6:** Changing political formations (circa 300 BCE to circa CE 300): . Society Economy and Culture in Early India

CC Paper-II Social Formations & the Cultural Pattern of the Ancient World

- CO1:** Understanding how the human society had transformed from Nomadic to civilized society in ancient history of the World.
- CO2:** Students can acquire knowledge about the origin, features, nature and class composition of ancient Greek and Polis society.
- CO3:** Greek Culture and Religion: Sophists, Socrates, Games, Drama, Art and Architecture, Greek Gods.

CC Paper-III History of India II (600 - 1206 AD)

- CO1:** Understanding Early Medieval India Historical Geography – Sources: texts, epigraphic and numismatic data Debates on Indian feudalism, rise of the Rajputs and the nature of the state .

CO2: Acquire knowledge about the evolution of political structures: North India- Harsha, Sasanka, Pala, Sena and Pratiharas, Rise of Rajputs and: South India –Chalukyas of Badami, Rashtrakutas, Cholas. Legitimization of kingship; brahmanas and temples; royal genealogies and rituals .

CO3: Arrival of Islam in India Arab conquest of Sindh: nature and impact of the new set-up; Causes and consequences of early Turkish invasions: Mahmud of Ghazni; Shahab-ud-Din of Ghur.

CO4: Agrarian Structure and Social Change Land grants; Agricultural expansion; the feudal debate Proliferation of castes; status of untouchables

CO5: Understanding Inter-regional trade Maritime trade Forms of exchange Process of urbanization and de urbanization Merchant guilds of South India .

CO6: Religious and Cultural Developments in ancient India.

CC Paper-IV Social Formation and Cultural Pattern of the Medieval World

CO1: Understanding the Roman Republic Its Significance, Constitution, Law, & Society, Agrarian economy, urbanization & trade ,Economy Growth of Slavery & slave society in ancient Rome .

CO2: Religion, culture, literature and Philosophy in ancient Rome.

CO3: Crises of the Roman Empire & transition to Principate .

CO4: Economic developments in Europe (7th to 14th centuries) Feudalism, Organization of production, towns and trade, technological developments. Crisis of feudalism.

CO5: Religion and culture in medieval Europe .

CO6: Learn about the Societies in Central Islamic Lands, the tribal background, ummah, Caliphate state; rise of Sultanates and Religious developments: the origins of shariah, Mihna, Sufism Urbanization and trade.

CC Paper-V History of India III (1206 - 1525 AD)

CO1: Sources for studying/Interpreting the Delhi Sultanate Survey of sources: Persian tarikh tradition; vernacular histories; epigraphy .

CO2: Acquire knowledge about the Sultanate Political Structures Foundation, expansion and consolidation of the Sultanate of Delhi; The Khaljis and the Tughluqs; Mongol threat and Timur's invasion; The Lodis: Conquest of Bahlul and Sikandar; Ibrahim Lodi and the battle of Panipat. Theories of kingship; Ruling elites; Sufis, ulama and the political authority; imperial monuments and coinage

CO3: Understanding Regional Political structures Emergence of provincial dynasties: Bahamanis, Vijayanagar and Bengal Consolidation of regional identities; regional art, architecture and literature.

CO4: Sultanate Society and Economy-1 Iqta and the revenue-free grants Agricultural production;

CO5: Sultanate Society and Economy-2 Changes in rural society; revenue systems Monetization; market regulations; growth of urban centers; trade and commerce; Indian Ocean trade .

CO6: Religion and Culture ; Sufi silsilas: Chishtis and Suhrawardis; doctrines and practices; social roles Bhakti movements and monotheistic traditions in South and North India; Women Bhaktas; Nathpanthis; Kabir, Nanak and the Sant tradition

CC Paper-VI Rise of Modern West – I (15th& 16th Centuries)

CO1: Understanding Transition from feudalism to capitalism: problems and theories.

CO2: Early colonial expansion: motives, voyages and explorations ;the conquests of the Americas: beginning of the era of colonization; mining and plantation; the African slaves.

CO3: Renaissance: its social roots, city-states of Italy; spread of humanism in Europe; Art.

CO4: Origins, course and results of the European Reformation in the 16th century.

CO5: Economic developments of the sixteenth century: Shift of economic balance from the Mediterranean to the Atlantic; Commercial Revolution; Influx of American silver and the Price Revolution.

CO6: Emergence of European state system: Spain; France; England

CC Paper-VII History of India III (1526 - 1757 AD)

CO1: Sources and Historiography Persian literary culture; translations Literature in regional languages.

CO2: Establishment of Mughal rule Babur's invasion of India - Struggle for Empire in North India –significance of Babar and Humayun's reign - Significance of Afghan despotism and rise of Sher Shah to power, His administrative and revenue reforms`

CO3: Acquire knowledge about the Akbar &Consolidation of Mughal Empire Akbar's Conquests - his Rajput Policy & administrative and religious reforms, Reign of Jahangir, Nurjahan- her role in imperial politics; The Mughals and the North Western frontier and central Asia.Making of a new imperial system and administration, the Mughal nobility, Mansab and Jagir.

CO4: Understanding the Mughal Empire Under Aurangzeb and the Mughal Art, Architecture & Painting

CO5: Patterns of Regional Politics -Rajput political culture and state formation -Rise of Maratha power under Shivaji, &expansion under the Peshwas - emergence of regional powers – case studies of Maharashtra, Awadh and Bengal; Bengal Nawabs and the rise of the English East India Company in Bengal.Debate of the 18th Century on the decline of the Mughal Empire;

SEC Paper-I Archives & Museums in India

CO1: Understanding the Definition and history of development (with special reference to India)

CO2: Understanding the traditions of preservation in India Collection policies, ethics and procedures Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others Documentation: accessioning, indexing, cataloguing, digital documentation and de-accessioning Preservation: curatorial care, preventive conservation, chemical preservation and restoration

CO3: Museum Presentation and Exhibition.

CO4: Museums, Archives and Society: (Education and communication Outreach activities.

CC Paper-VIII Rise of Modern West – II (17th & 18th Centuries)

CO1: Understanding 17th century European crisis: economic, social and political dimensions.

CO2: The English Revolution: major issues; political and intellectual currents

CO3: Understanding about the Rise of modern science in relation to European society from the Renaissance to the 17th century

CO4: Mercantilism and European economics; 17th and 18thcenturies

CO5: European politics in the 18th century: parliamentarymonarchy; patterns of Absolutism in Europe and Prelude to the Industrial Revolution.

CC Paper-IX History of India (1758 -1857)

CO1: Understanding the Foundations of Company'sRule; Early contestations between the Dutch, French and the British East India Company Bengal Nawabs and the battle of Plassey, Buxar and the grant of Dewani, Anglo Mysore; Anglo Maratha and Anglo Sikh relations.The Subsidiary alliance and the Doctrine of Lapse.

CO2: Legitimization of Company's rule in India - Regulating Act; Pitt's India Act; Charter Acts of 1813, 1833 and 1853 Administrative, Military, Police and Educational Reforms.

CO3: Rural Economy and Society Land revenue systems. Permanent settlement, Rayatwari and Mahalwari, Commercialization of agriculture and indebtedness. Rural society: change and continuity, Famines.

CO4: Understanding the De industrialization, Trade and fiscal policy, Drain of Wealth Growth of modern industry.

CO5: Renaissance and Reforms Bengal Renaissance and Socio-religious Reforms: Rammohan Roy (Brahma Samaj), Young Bengal, Vidyasagar and Others Educational Reforms initiated by the Company

CO6: Popular Resistance Santhal uprising (1856-7); Sanyasi Uprising, Kol Bhumij uprising, Wahabi Faraizi and Santhal Uprising Revolt of 1857: causes and nature.

CC Paper-X History of India III (1858 - 1964)

CO1: Understanding the aftermath of 1857 Queen's Proclamation; The Indigo rebellion, The Deccan Riots, The growth of the new middle class; the age of associations, The Aligarh movement, The Arya and the Prarthana Samaj.

CO2: The early phase of Indian Freedom Movement Historiography of Indian Nationalism; Birth of Indian National Congress, The Moderates and the Extremists, Partition of Bengal, the Swadeshi movement, Muslim League, Morle Minto Reforms; Revolutionaries in India and abroad, the Lucknow pact.

CO3: Acquire knowledge about the Gandhian era Gandhi's rise to power, Rowlatt Satyagraha, Montagu Chelmsford reforms; Khilafat and Non-co-operation movement, The Swarajya party, Poona Pact, Civil Disobedience Movement, Quit India Movement.

CO4: Towards freedom Government of India Act 1935, The rise of the leftist movements, The Peasant and Working class movements, Cripps Mission, Subhas Bose and INA, RIN mutiny; Wavell Plan, Cabinet Mission; Tebhaga and Telengana movements;

CO5: Communal Politics Demand for Pakistan; Lahore session of the Muslim League, rise of Hindu Mahasabha and the RSS; Akali Dal, Partition and its consequences.

CO6: The Nehru era Internal policy between 1947 to 1964- movements for social justice, the new constitution, integration of the princely states, growth of parliamentary democracy, five years plan; India's foreign policy – Non alignment, India's relation with her neighbours.

.SEC Paper-II Understanding Popular Culture

CO1: Introduction a. Defining elite and popular culture b. Differences in their forms, contents and patterns of presentations c. Changing traditions of Folk songs, music, literature and dances.

CO2: Understanding the Visual Expressions a. Folk Art, Calendar Art, Photography b. Audio-visual mode of presentation cinema & television c. Expressions of popular culture in dance , drama, films and painting.

CO3: Performance and Participations a. Theatre, music, folk songs and jatra: b. Identifying themes, functionality, anxieties. c. Fairs, Festivals and Rituals, Disentangling mythological stories, patronage, regional variations.

CO4: Popular Culture in a globalized world The impact of the internet and audio-visual media on popular culture

CC Paper-XI History of Modern Europe I (1789 - 1870)

CO1: The French Revolution and its European repercussions Crisis of Ancien regime ----- Political, social, economic and intellectual background (role of Philosophers) of the French Revolution The revolution in the making – the Aristocratic Revolt and the consolidation of the Third Estate. The Constituent Assembly; Radicalization of the Revolution; the reign of Terror and the Thermidorian reaction; social base of the Revolution- Sans culottes, peasants and women; the directory and its achievements and failures.

CO2: Understanding the French Revolution, Rise of Napoleon; Napoleonic reforms, Napoleonic Empire and Europe Fall of Napoleon: The Continental System; The Spanish Ulcer; The Moscow campaign. Assessment of Napoleon: Character of the French Revolution; Impact of French Revolution on Europe and abroad.

CO3: Restoration and Revolution (1815-1848) Vienna Congress; Concert of Europe; Metternich system Greek War of Independence, Revolution of 1830 & 1848, & their Impact.

CO4: Industrialization and socio economic transformation Industrial Revolution; Definition and characteristics; Pre Industrial society; Industrial Revolution in Britain; Impact on society, economy and politics . Industrialization in the continents, case study of France, Germany and Russia. Emergence of working class and its movements; early Utopian socialist thoughts.

CO5: Age of Nationalism Unification of Italy and Germany Specificities of economic development, political and administrative re organization – Italy and Germany The second Empire in France and Louis Napoleon

CO6: The Eastern Question The Crimean War; Treaty of Paris, Balkan Nationalism

CC Paper-XII Studying History Writing: Indian & Western

CO1: Understanding about the Time, Space & Human Agency Notion of Time and Space in History

CO2: Importance of sources in History Written, Oral, Visual and Archaeological Sources - Classification of Primary and Secondary sources – Source criticism and authentication .

CO3: Philosophy and Theory of History Facts and Interpretation - Philosophy of History – Hypothesis, argumentation and Problematique - Objectivity/Subjectivity in History – Historical Narrative and Generalization

CO4: Indian & Western Historiography Pre-colonial forms of writing Indian History - Different schools of Indian historiography (Cambridge, Nationalists, Marxists, Subaltern) - Different schools of Western historiography (Rationalist, Romantist, Positivist, Marxist and Annales

CO5: History and other disciplines Relationship between History and Science - History and Anthropology - History and Literature etc.,

CO6: Research Process in History Different stages and steps involved in the process of doing research in History

Paper –I (OR) History of the United State of USA (1776-1864)

CO1: Learn about the land and aborigines of USA and early colonial society and politics.

CO2: Indentured labour, like White and Black. They will gather knowledge how the Europeans were made settlement and started colonization. They will learn how the evolution of American Democracy had formed after colonization of USA.

CO3: They will acquire knowledge how the USA had been developed from slavery to super power of the World.

5 DSE Paper-I Life & Culture in Pre-Colonial Bengal: Prehistoric times to mid 18th century

CO1: Understanding about the Historical Geography- ancient and medieval divisions

CO2: Demography and ethnology – earliest inhabitants; Aryanization of Bengal; Life of the people position of women, dress, foods, games and leisure, conveyance.

CO3: Political development of Bengal-an overview.

CO4: Economic life, Religions and art in Bengal and Bengali literature and traits of regional culture.

HISH DSE-II LIFE AND CULTURE IN COLONIAL BENGAL

CO1: Evaluate the impact of Western education in Bengal

CO2: Rejection and internalization of western ideas in context of colonialism and nationalism

CO3: To understand the plebeian and popular/ Bhadrak-Itarlok dichotomy in social and economic life

CO4: Identify the sites of power loci-its change as power loci shifted-major sites of popular revolt-urbanization of sites of colonialism especially rise of Calcutta as a metropolis- major centres of women education and medical education- sites of deindustrialization- major areas of swadeshi movement and Gandhian movement- identifying partition as a lived memory and as a hereditary memory in Bengal

HISH CC-XIII HISTORY OF MODERN EUROPE II (1871-1945)

CO1: Constant shift of power loci and identifying it as a primary factor that went into the making of the modern world

CO2: Evaluating the trajectory of ideological and diplomatic shifts leading to warfare

CO3: Identifying imperialist tendencies alongside democratic overtures

CO4: Identifying the changing pattern of European map- sites of conflict- rise of new powerful states like Germany and Italy- sites of the two great wars.

HISH CC-XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)

CO1: Contextualizing world politics and relations within the ambit of Cold War

CO2: Identifying the two poles and the others leading to recasting of the decolonized world

CO3: Evaluating the local within the global- the benefits and the discrepancies

CO4: Identifying the maps of contested sites- map of polarization- decolonization and the new mapping of identity and cartography- major associations of defense-timeline of cold war and its proxy wars

HISH DSE-III HISTORY OF MODERN EAST ASIA-1 (1840-1919)

- CO1: Analyzing the pre-colonial world of China and Japan
- CO2: Identifying the conflict between pre-modern and modern notions
- CO3: Contextualizing it within the ambit of Mercantilism and western modernity
- CO4: Evaluating the trajectory of colonization of the far eastern lands

HISH DSE-IV HISTORY OF CHINA AND JAPAN (1919-1939)

- CO1: Understanding about the Nationalism versus colonialism
- CO2: Experimental and alternative leadership in China
- CO3: Japanese experiment with Asian and Western Modernism
- CO4: Identifying the trajectory and mapping the rise of Communist China and Democratic Japan.



Department of History Tarakeswar Degree College

HISTORY GENERAL

Programme Outcome of the Curriculum

The students would be able to understand the following on the completion of the courses

Paper – I A : History of India (From Earliest Times up to 300 CE)

- CO1: Understanding about the historical Sources; Prehistory and Proto-historic cultures Sources & Interpretation - A broad survey of Palaeolithic, Mesolithic and Neolithic Cultures, Bronze age civilization - Harappan Civilization -Origin, Extent, dominant features & decline.
- CO2: The Vedic Period Polity, Society, Economy and Religion, Iron age with reference to

PGW & Megaliths.

C03. Jainism and Buddhism Causes, Doctrines, Spread, Decline and Contributions

C04. Understanding about the Rise of Magadha Emergence and growth of the Magadhan Empire Conditions for the rise of Mahajanpadas and the Causes of Magadha's success; The Iranian and Macedonian Invasion

C05. The Mauryan Empire State and Administration of the Mauryas, Economy, Ashoka's Dhamma, Art & Architecture.

C06. Understanding about the Post Mauryan Period The Satvahana Phase: Aspects of Political History, Material Culture, and Administration & Religion The Sangam Age: Sangam Literature, The three Early Kingdoms, Society & the Tamil language The age of Sakas and Kushanas: Parthians & Kushanas, Aspects of Polity, Society, Religion, Arts & Crafts, Coins.

B : History of India (300 to 1206 CE)

C01. Understanding about the Rise & Growth of the Guptas Administration, Society, Economy, Religion, Art, Literature, and Science & Technology.

C02. Harsha & His Times Harsha's Kingdom, Sasanka, Administration, Buddhism & Nalanda

C03. Understanding towards Early Medieval: North India - Palas, Senas, Pratiharas and the rise of Rajputs .

C04. Towards Early Medieval: South India Chalukyas, Pallavas, Rashtrakutas, and the Cholas

C05. Society, Economy and Culture in Early Medieval: The Feudalism debate Changes in Society, Economy and Culture

C06. Understanding about arrival of Islam in India Arab conquest of Sindh Struggle for power in Northern India & establishment of Sultanate.

Paper – IC : HISTORY OF INDIA FROM 1206-1707

C01: Understanding about the Political History of the Delhi Sultanate Foundation, Expansion and Consolidation of the Delhi Sultanate—Ilbari Turks, Khaljis and the Tughlaqs Nature of the State, nobility and the Ulema, Economic reforms

C02: Regional Political Formations Bengal Vijaynagar and the Bahamani Kingdoms

C03. Mughal ascendancy till the time of Akbar (1605 CE) Babar; Mughal- Afgan conflict, Akbar **C04.** Mughal Power in the post Akbar Era (1606-1707 CE) Mughal empire from Jahangir to Aurangzeb

C05. Economy and Society revenue administration from iqta, jagi and mansabdari. inland and oceanic trade

C06. Understanding about the Religion, Art and Architecture Religion; -Sufism, and Bhakti

movement Art---painting, sculpture and architecture literature—Persian and regional.

I D : HISTORY OF INDIA FROM 1707 - 1950

C01: Understanding about the Regional States and rise of the Company's rule Bengal – Battle of Plassey, Buxar and Dewani Marathas and Anglo Maratha relation Mysore and Anglo Mysore relation Anglo Sikh relations.

C02: Land Settlements, peasant and Tribal revolts upto 1857 Permanent settlement and Rayatwari Tribal and Peasant revolts- Wahabi, Fairazi and Santal

C03: Understanding about the Socio- Religious Reform Movements in the 19th Century Rammohan Roy, Young Bengal, Vidyasagar, AryaSamaj, Growth of a new middle class

C04: Understanding about the 1857 and its aftermath Causes and nature of the 1857 Age of associations and the birth of INC .

C05: Indian National Movement Moderates and Extremists Partition of Bengal and the Swadeshi movement Rise of Gandhi in Indian politics and Gandhian movements. Leftist movements Subhash Chandra Bose and the INA

C06: Partition Of India and the establishment of Indian Republic Government Of India Act 1935 Cripps Mission, Wavell Plan, Cabinet Mission Communal Politics Partition of India Constituent Assembly and the birth of the Republic

Paper –I A : SOME ASPECTS OF SOCIETY & ECONOMY OF MODERN EUROPE: 15-18 CENTURY

C01: Understanding about the Political and Economic Structure of the Feudal Era a. Origins of Feudalism b. Nature of Feudal Society; Regional Variation c. Crisis in Feudalism ; Transition debate

C02: Renaissance& the Rise of Modern Europe a. Origins; Reason b. Renaissance humanism; rediscovery of Classics c. Italian Renaissance and its Impact

C03: Understanding about the European Reformation a. Background, nature and impact b. Martin Luther & Protestant Reformation c. Reformation Movements and European States

C04: European Economy in the 16th Century a. Economic expansion of Europe in the 16th Century b. The rise of new marchants c. Price revolution & Agriculture Revolution

C05: Understanding about the Science & Technology a. Origins of the Modern science b. Scientific Revolution c. Origins of Enlightenmen

C06: Transition from Feudalism to Capitalism a. Transition to Capitalism and its debates. b. Nature of the Capitalism c. Industrial Revolution in England.

Paper –I A (OR) : POLITICAL HISTORY OF MODERN EUROPE: 15th to 18th Century

C01: Understanding about the Europe in the 15th Century Nature of Feudal Society and its regional variations Political dimensions of feudal crisis Economic crisis.

CO2. From City States to Emergence of absolutist States The formation of modern State
New Monarchy in England The empire of Charles V of Spain

CO3: Constitutional conflicts in 17th Century England The English Civil War of the 17th
Century Glorious Revolution of 1688 Impact.

CO4. Understanding about the Thirty Years War Causes Nature Results.

CO5. Understanding about the Absolutist State in 18th Century Prussia Russia England.

CO6. Crisis of the Absolutist state in Franch.

II A (No option offered): SOME ASPECTS OF EUROPEAN HISTORY

CO 1. Understanding about the French Revolution a) France before 1789; Socio - Economic
and Political background; Birth of new ideas Philosophers and Physiocrats . b) Progress of
the Revolution; The Constituent Assembly; The reign of Terror c) Impact of French
Revolution on Europe

CO 2: Understanding about the Rise of Napoleon b) Napoleonic reforms; Napoleon and
Europe; Fall of Napoleon, c) Vienna Congress; The concert of Europe; Metternich system.

CO3. Understanding about the revolutions of 1830 and 1848 a) The Democratic and
Nationalist Aspirations of Europe b) Causes, and Impact of July Revolution of 1830 c) The
February revolution of 1848-50.

CO4. Age of Nationalism a) The Crimean War; The Eastern Question; Turkey; Russia's
ambition in the Balkans b) The second Empire in France and Louis Napoleon c. Unification
of Italy & Germany

CO5. Europe between 1914-1939 a) Origin of the First World War; Role of different
European Powers; Peace of Settlement of 1919; The League of Nations b) Political and
Economic Disorder & Depression, Policy of Appeasement, Spanish Civil War; Munich Pact
Russo-German Non-Aggression Pact c) Rise of Fascism in Italy and Nazism in Germany

CO6. Understanding about the Second world war a) Origins b) Failure of disarmament and
the League of Nations c) Responsibility of Hitler.

Skill Enhancement Course

Paper-I (options offered) Archives and Museums in India

This course introduces students to the institutions that house and maintain documentary, visual
and material remains of the past. Museums and archives are among the most important such
repositories and this course explains their significance and how they work. Students will be
encouraged to undertake collection, documentation and exhibition of such materials in their
localities and colleges. Visit to National Archives and National Museum are an integral part of
the course.

CO1. Definition and history of development (with special reference to India)

CO2. Types of archives and museums: Understanding the traditions of preservation in India

Collection policies, ethics and procedures Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others
Documentation: accessioning, indexing, cataloguing, digital documentation and de-accessioning
Preservation: curatorial care, preventive conservation, chemical preservation and restoration

CO3. Museum Presentation and Exhibition

CO4. Museums, Archives and Society: (Education and communication Outreach activities

Paper-I (or) Indian History and Culture

CO1. Environment; Culture, Tradition & Practices: -Historical overview -Oral & codified information on medicinal Plants -Water & Water Bodies -Fieldwork

CO2. Urbanization & Urbanism: -Issues of settlements & Landscapes -Social differentiations - Communication networks

CO3. Social inequality & Gender: -Status within Households: An overview -Present context - Issues of Violence -Employment, distribution of resources

CO4. Cultural Heritage: -Main components -Built Heritage -Historical Tourism

CO5. Cultural Forms & Cultural Expressions: - Performing Arts -Fairs & Festivals -Fieldwork

Paper-II (option offered) Understanding Heritage

Understanding Heritage This course will enable students to understand the different facets of heritage and their significance. It highlights the legal and institutional frameworks for heritage protection in India as also the challenges facing it. The implications of the rapidly changing interface between heritage and history will also be examined. The course will be strongly project-based and will require visits to sites and monuments. At least two Projects will be based on visits to Museums/Heritage Sites.

CO1. Defining Heritage Meaning of 'antiquity', 'archaeological site', 'tangible heritage', 'intangible heritage' and 'art treasure'

CO2. Evolution of Heritage Legislation and the Institutional Framework: Conventions and Acts— national and international Heritage-related government departments, museums, regulatory bodies etc. Conservation Initiatives

CO3. Challenges facing Tangible and Intangible Heritage Development, antiquity smuggling, conflict (to be examined through specific case studies)

CO4. Evolution of Heritage Legislation and the Institutional Framework: Conventions and Acts— national and international Heritage-related government departments, museums, regulatory bodies etc. Conservation Initiatives

CO5. Challenges facing Tangible and Intangible Heritage: Development, antiquity smuggling, conflict (to be examined through specific case studies)

CO6. Heritage and Travel: Viewing Heritage Sites. The relationship between cultural heritage, landscape and travel recent trend

Paper-III (option offered): Ethnographic Practices in India: Traditions of Embroidery, Textile Making, Knitting, Handicrafts

CO1. History: Evidences and writings; -a) Early India b) Medieval period c) Colonial and Post-Colonial

CO2. Contemporary Practices: North, West, East, South

CO3. Field work: a) Practitioners & Issues of sustenance b) Codification of Information c) Relationship between market & Conservation

Paper-III (option offered): Understanding Popular Culture

CO1. a. Defining elite and popular culture b. Differences in their forms, contents and patterns of presentations c. changing traditions of Folk songs, music, literature and dances

CO2. Visual Expressions a. Folk Art, Calendar Art, Photography b. Audio-visual mode of presentation cinema & television c. Expressions of popular culture in dance, drama, films and painting.

CO3. Performance and Participations a. Theatre, music, folk songs and jatra: b. Identifying themes, functionality, anxieties. c. Fairs, Festivals and Rituals, Disentangling mythological stories, patronage, regional variations.

CO4. Popular Culture in a globalized world The impact of the internet and audio-visual media on popular culture

Paper-III (or): An Introduction to Archaeology

CO1. Definition & Components

CO2. Historiographical Trends

CO3. Research Methodologies

CO4. Definition of Historical Sites & Explorations

CO5. Field Work & Tools of research

CO6. Documentation, Codification, Classification, Analysis of findings and publications

Skill Enhancement Course

Paper – IV (Option offered) : Art Appreciation: An Understanding to Indian Art

The purpose of this course is to introduce students to Indian art, from ancient to contemporary times, in order to understand and appreciate its diversity and its aesthetic richness. The course will equip students with the abilities to understand art as a medium of cultural expression. It will give students direct exposure to Indian art through visuals, and visits to sites and museums.

CO1. Prehistoric and protohistoric art: _Rock art; Harappan arts and crafts.

CO2. Indian art (c. 600 BCE – 600 CE): World Heritage Site Managers, UNESCO World Heritage Manuals [can be downloaded/ accessed at www.unesco.org] Notions of art and

craft_Canons of Indian paintings_Major developments in stupa, cave, and temple art and architecture Early Indian sculpture: style and iconography_Numismatic art.

C03: Indian Art (c. 600 CE – 1200 CE) :_Temple forms and their architectural features_Early illustrated manuscripts and mural painting traditions Early medieval sculpture: style and iconography_Indian bronzes or metal icons

C04: Indian art and architecture (c. 1200 CE – 1800 CE) : _Sultanate and Mughal architecture_Miniature painting traditions: Mughal, Rajasthani,Pahari Introduction to fort, palace and haveli Architecture

C05:. Modern and Contemporary Indian art and Architecture: The Colonial Period_Art movements: Bengal School of Art, Progressive Artists Group, etc. Major artists and their artworks_Popular art forms (folk art traditions)

Paper – IV (OR) : Orality and Oral Culture in India

C01: Understanding about the Defining orality.

C02: History & Historiography of Orality

C03:.Life Histories: Sociological Aspects

C04: Research Methodologies

C05: Documentation: Written & Visual

Tarakeswar Degree College

Department of Philosophy

Programme Outcomes

B.A. (Hons.) in Philosophy

Programme Outcomes of the 3-Year Undergraduate Philosophy

P.O.-1: Critical Thinking & Analysis: To be able to critically assess arguments, identify underlying assumptions, and construct logical reasoning.

P.O.-2: Problem-Solving & Communication: Proficiency in problem-solving, solution development, and effective communication will enhance.

P.O.-3: Ethical Judgement & Decision-Making: To improve understanding of ethics and applying them to real-life situations helps make better decisions.

P.O.-4: Historical & Cultural Awareness: To gain a comprehensive knowledge of the history of philosophy and diverse philosophical traditions, fostering cultural understanding and appreciation.

P.O.-5: Research & Investigation: To acquire research skills to analyze philosophical texts, conduct independent inquiries, and formulate original arguments.

P.O.-6: Intellectual Curiosity & Lifelong Learning: To cultivate a passion for lifelong learning, constantly questioning assumptions, and exploring new ideas with intellectual openness.

Course Outcomes

Ist Semester

CC – 1: Outlines of Indian Philosophy—I:

1. To understand the core characteristics and guiding principles of Indian philosophy, including its emphasis on spirituality and liberation.
2. To analyze and evaluate the key concepts of Vedic and Upanishadic thought, such as Atman, Brahman, karma, and moksha.
3. To critically examine the diverse philosophical positions of Carvaka, Jainism, and Buddhism, including their epistemology, metaphysics, and ethical perspectives.
4. To gain a comprehensive understanding of the Four Noble Truths, dependent origination, momentariness, no-self, and the major schools of Buddhism.
5. To explore the Nyāya-Vaiśeṣika system, critically evaluating its theories of knowledge (perception, inference, comparison, and testimony) and its seven categories of reality.

CC – 2: Outlines of Western Philosophy—I:

1. To study the philosophical inquiries and methods of the Pre-Socratic era, including the Ionian School, Parmenides, Heraclitus, and Zeno's paradoxes.
2. To critically evaluate Plato's epistemology and metaphysics, considering their strengths and weaknesses.
3. To analyze and compare Aristotle's perspective on Plato's concepts, including his theories on substance, form and matter, and causation.
4. To investigate and assess the foundational principles of modern philosophy through Descartes' work, focusing on his method of doubt, the "Cogito ergo sum" argument, and his beliefs on mind-body dualism and substance.

Semester- 2

CC- 3: Outlines of Indian Philosophy-II:

1. To critically analyze the key concepts and theories of Samkhya philosophy, including satkaryavada, pancavimsa tattva, tattvapariṇāma, prakṛti, and puruṣa.

2. To explore the philosophical foundations of Yoga, focusing on citta, cittabhumi, cittavṛtti, cittavṛttinirodha, and īśvara.
3. To examine the epistemological and metaphysical principles of Pūrva-Mīmāṃsā, with special attention to pramāṇa-s, arthāpatti, anupalabdhi, and prāmāṇyavāda.
4. To Compare and contrast the Advaita Vedānta and Viśiṣṭādvaita Vedānta schools of thought, focusing on their views on vivartavāda, māyā, Brahman, jīva, jagat, and īśvara.
5. To analyze the Khyātivāda (Theory of Error) as propounded by the Bhāṭṭa and Advaita schools.

CC- 4: Outlines of Western Philosophy—II:

1. To examine empiricism principles of Locke, Berkeley, and Hume on knowledge, ideas, substance, and perception.
2. To compare epistemological and metaphysical views of these philosophers on knowledge and reality.
3. To evaluate Kant's "Copernican Revolution" in philosophy, focusing on his criticisms of empiricism and ideas on metaphysics.
4. To study Hegel's dialectical approach to understanding reality and the concept of the Absolute, contrasting with previous methodologies.

Semester- 3

CC – 5: Indian Ethics

1. To analyse and comparing ethical frameworks of Indian philosophical traditions is crucial.
2. To evaluate key ethical concepts in Indian traditions is necessary.
3. To explore the relationship between ethics and spiritual liberation in Indian traditions provides valuable insights.

4. To apply learned frameworks to contemporary ethical dilemmas showcases critical reflection and decision-making skills.

CC – 6: Western Ethics

1. To explore Western ethics, including foundational principles, essence, and moral vs. non-moral behaviors.
2. To critically assess theories of moral judgment, focusing on motives, intentions, and outcomes in decision-making.
3. To study normative ethical theories like consequentialism, deontology, and virtue ethics to analyze moral dilemmas.
4. To investigate the philosophical basis of punishment and examine theories like retributive, deterrent, and reformative.
5. To use ethical frameworks to discuss contemporary issues in applied ethics, such as suicide, euthanasia, gender equality, and global poverty.

CC – 7: Indian Logic:

1. To explore Indian logic in Annambhatta's Tarkasaṃgraha, focusing on pramana, hetu, and upamana.
2. To analyze pramana forms and their credibility, including perception, inference, and testimony in knowledge acquisition.
3. To identify and evaluate fallacies using Indian logic principles in real-life arguments.
4. To understand the historical and philosophical significance of Indian logic, its impact on other traditions, and appreciate its influence.

SEC- 1: Philosophy in Practice:

1. To compare Western philosophy and Indian darśana in terms of their features, methodologies, and objectives.

2. To evaluate the different types of philosophical inquiries: epistemic, metaphysical, and ethical.
3. To analyze perspectives on worldviews and self-realization from thinkers like Plato, Kant, Sāṃkhya, and Advaita Vedānta.
4. To develop skills in philosophical discourse through techniques like debate, discussion, and argumentation, while avoiding fallacies.

Semester- 4

CC- 8: Western Logic-I

1. To analyze arguments using propositional and first-order predicate logic, with a focus on general propositions.
2. To construct valid arguments and identify logical errors within the discussed formal systems.
3. To translate everyday language arguments into formal representations and use deduction rules to derive valid conclusions.
4. To improve critical thinking and problem-solving skills by applying symbolic logic to different situations.

CC- 9: Psychology

1. To explore psychology's core principles, scientific foundation, and investigative techniques.
2. To understand the central nervous system's role in perception, attention, and knowledge acquisition.
3. To analyze theories on perception, attention, and learning to interpret real-life situations.
4. To evaluate theories and methods related to memory, consciousness, and intelligence.

CC- 10: Philosophy of Religion

1. To explore philosophy of religion, distinguishing it from comparative religion and theology, while examining religion, Dharma, and Dhamma.
2. To assess anthropological and Freudian theories on the origins and evolution of religion.
3. To examine key characteristics of major religions (Hinduism, Christianity, Islam, Buddhism), including their beliefs on bondage and liberation.
4. To evaluate arguments for and against the existence of God, including Indian and Western perspectives (Yoga, Nyāya, cosmological, teleological, ontological), as well as Buddhist and sociological criticisms.
5. To address the impact of evil on religious faith.
6. To examine monotheism, polytheism, and henotheism, considering their philosophical and theological significance.

SEC- 2: Philosophy of Human Rights

1. To explore human rights, including definition, characteristics, and evolution over time.
2. To analyze the relationship between natural law, natural rights, and human rights, considering the influence of philosophers like Hobbes and Locke.
3. To compare natural rights, fundamental rights, and human rights, using these principles to evaluate specific rights in the Indian Constitution.
4. To develop a thorough understanding of current human rights challenges and engage in informed and respectful discussions about their philosophical foundations.

Semester- 5

CC- 11: Socio-Political Philosophy

1. Compare social and political philosophy, understanding their focus and approaches.

2. Analyze the impact of social groups, communities, and institutions on individual and collective behaviors.
3. Explore the connection between social class and caste, considering Marxist and Ambedkarite perspectives.
4. Compare political ideologies, including democratic models, socialism, and Tagore's views on nationalism and internationalism.
5. Examine the philosophical foundations of Radical Humanism by M.N. Roy and its critique of traditional social and political frameworks.

CC- 12: Western Logic-II

1. To evaluate arguments using inductive reasoning, considering strength, limitations, and biases.
2. To explore the relationship between logic and language, focusing on significance, definition, truth, and language's impact on reasoning.
3. To identify and avoid logical fallacies in reasoning and language-based arguments to improve skills.
4. To apply logical principles to analyze real-world arguments, enhancing critical thinking and clear communication.

DSE- 1: Special Text: Kathopaniṣad

1. To analyze the philosophical and spiritual themes in the first chapter of the Kathopaniṣad, focusing on mortality, eternal life, and the self's relationship with ultimate truth.
2. To critically evaluate the arguments and dialogues in the text, exploring different philosophical perspectives on knowledge, existence, and liberation.
3. To improve skills in analyzing and interpreting ancient Indian philosophical texts, including understanding metaphor, symbolism, and imagery.

4. To compare and contrast the ideas in the Kathopanishad with other philosophical and religious traditions to gain a deeper understanding of its unique contribution to human thought.

DSE- 2: Special Text: B. Russell: The Problems of Philosophy

1. To foster critical thinking, analytical skills, and a deeper understanding of fundamental philosophical questions

Semester -6

CC- 13: Philosophy in the Twentieth Century: Indian

1. To examine the philosophical concepts of Indian intellectuals like Tagore, Vivekananda, Aurobindo, Radhakrishnan, Iqbal, and Gandhi.
2. To compare and contrast their viewpoints on topics like existence, humanity, religion, and ethics.
3. To evaluate the relevance of their ideas in addressing current social, political, and spiritual challenges.
4. To improve critical thinking and communication skills through active engagement with complex philosophical texts and debates.

CC- 14: Philosophy in the Twentieth Century: Western

1. To compare the philosophical viewpoints of Moore, Russell, Ayer, Heidegger, and Sartre on knowledge, meaning, existence, and freedom.
2. To evaluate the validity of theories like Moore's common sense, Russell's knowledge by acquaintance and description, Wittgenstein's theory of meaning, Ayer's verifiability principle, Heidegger's being-in-the-world, authenticity, and inauthenticity, and Sartre's concepts of nothingness and freedom.
3. To explore the historical and philosophical context of these philosophers' ideas and their impact on later philosophical developments.
5. To develop critical thinking and analytical skills through the study of complex philosophical texts and debates, applying them to current issues, and forming well-informed opinions.

DSE- 3: Special Text: Rabindranath Tagore: Sadhana

1. To analyze the key concepts in Tagore's Sadhana lectures, focusing on self-discovery, wisdom, reality, and the connection between personal and universal awareness.
2. To evaluate Tagore's ideas on education and their relevance to modern teaching methods.
3. To study Tagore's use of metaphor, symbolism, and imagery to improve your analysis and interpretation of poetic and philosophical writings.
4. To compare Tagore's ideologies with other philosophical and religious beliefs to gain a deeper understanding of his unique contributions.

DSE- 4: Special Text: Hume: An Enquiry Concerning Human Understanding

1. To analyze Hume's main ideas in sections 1, 2, 3, 4, 5, and 7 of his Enquiry Concerning Human Understanding, focusing on concepts like impressions, ideas, knowledge, causation, and induction.
2. To evaluate the strengths and weaknesses of Hume's arguments, considering his critique of empiricism and his theory of knowledge acquisition. Provide a comprehensive assessment of these aspects.
3. To improve your ability to analyze philosophical texts by developing skills in identifying key arguments, analyzing logical structure, and recognizing fallacies. This will deepen your understanding of the subject matter.
4. To compare Hume's epistemology with other philosophical positions to gain a better understanding of his unique contribution to the understanding of knowledge and belief.

Tarakeswar Degree College
Department of Philosophy
B.A. (General)
in
Philosophy
Under Choice Based Credit System
w.e.f. 2017-2018 onwards

Programme: B.A. (Gen.) in Philosophy

Programme Outcomes

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

Course Outcomes: B.A. (Gen.) in Philosophy

Semester-1

CC- 1A: Indian Philosophy

C.O.:

1. To gain basic knowledge of Indian philosophical traditions.
2. To analyze diverse perspectives on knowledge and reality.
3. To compare and contrast different schools of thought.

Semester-2

CC- 1B: Western Philosophy

C.O.:

1. To grasp the foundations of western philosophical thought.
2. To learn progress in metaphysics and epistemology.
3. To examine debates on existence, including the idea of removing metaphysics, and discuss realist and idealist viewpoints.

Semester-3

CC- 1C: Logic

C.O.:

1. To grasp the foundational concepts of logic.
2. To critically evaluate deductive and inductive arguments, recognizing their strengths and limitations.
3. To evaluate complex arguments and their relationship to science.

SEC- 1: Philosophy in Practice

C.O.

1. To distinguish and compare philosophical traditions.
2. To navigate different modes of philosophical investigation
3. To analyze diverse pathways to self-fulfilment.

Semeter-4

CC- 1D: Contemporary Indian Philosophy

C.O.

1. To analyze diverse perspectives on human nature and existence.
2. To explore contemporary interpretations of Indian philosophical traditions.
3. To compare and contrast approaches to spirituality and religion.

SEC- 2: Philosophy of Human Rights

1. To analyze the concept of human rights.
2. To trace the historical evolution of human rights.
3. To distinguish and connect different categories of rights.

Semester- 5

DSE- 1A: Philosophy of Religion

C.O.

1. To compare and contrast perspectives on religion.
2. To evaluate different theories on the origins of religion.
3. To analyze core tenets of major world religions.

SEC- 3: Philosophical Analysis

C.O.

1. To evaluate different notions of truth.
2. To examine the nature and sources of knowledge
3. To develop robust and nuanced arguments.

Semester-6

DSE- 1B: Tarkasaṃgraha with Dipika

C.O.

1. To understand the seven categories (padārtha) of saptapadārtha.
2. To apply saptapadārtha concepts to analyze arguments.
3. To Compare and contrast different interpretations of saptapadārtha

SEC- 4: Ethics in Practice

C.O.

1. To analyze the relationship between morality and ethics.
2. To apply ethical frameworks to real-world dilemmas.
3. To develop practical skills for ethical living

TARAKESWAR DEGREE COLLEGE

(Affiliated to The University of Burdwan)



Department of Sociology

The Course Objectives & Learner Outcome of Under Graduate Syllabus (UG)

Bachelor of Arts

(H)

1st to 6th Semester

w.e.f.

Academic Year 2017-2018 and Onwards

under

CHOICE BASED CREDIT SYSTEM (C.B.C.S)

Structure of UG CBCS Syllabus 2017-18

1st Semester to 6th Semester

Sociology Honours Course

1 st Semester				
Course Code	Paper Type	Course Title	Credit (L-T-P)	Marks (Final + Internal)
CC1	Core	Introductory Sociology I	(5+1+0)= 6	60 + 15 = 75
CC2	Core	Rise of Sociology as a Discipline	Do	Do
GE 1	Generic Elective	Any Discipline other than Sociology (see General Sociology Syllabus)	Do	Do
AECC-1	Compulsory Course	Environment Studies	(4-0-0) 4	100
2 nd Semester				
CC3	Core	Introductory Sociology II	(5+1+0)= 6	60 + 15 = 75
CC4	Core	Classical Sociological Thought I	Do	Do
GE 2	Generic Elective	Any Discipline other than Sociology (see General Sociology Syllabus)	Do	Do
AECC-2	Compulsory Course	Communicative English / MIL	(2-0-0) 2	50
3 rd Semester				
CC5	Core	Sociology in India I	(5+1+0)= 6	60 + 15 = 75
CC6	Core	Classical Sociological Thought II	Do	Do
CC7	Core	Modern Sociological Theory I	Do	Do
GE 3	Generic Elective	Any Discipline other than Sociology (see General Sociology Syllabus)	Do	Do
SEC -1	Skill Enhancement Course	See List	(2-0-0) 2	40 + 10 = 50
4 th Semester				
CC8	Core	Society in India I	(5+1+0)= 6	60 + 15 = 75
CC9	Core	Modern Sociological Theory II	Do	Do
CC10	Core	Sociology in India II	Do	Do
GE 4	Generic Elective	Any Discipline other than Sociology (see General Sociology Syllabus)	Do	Do
SEC -2	Skill Enhancement Course	See List	(2-0-0) 2	40 + 10 = 50

5 th Semester				
CC 11	Core	Society in India II	(5+1+0)= 6	60 + 15 = 75
CC 12	Core	Research Methodology I	Do	Do
DSE 1	Discipline Specific Elective	Social Stratification	Do	Do
		Or Social Issues in India I	Do	Do
DSE 2	Discipline Specific Elective	Sociology of Gender	Do (0+1+5)= 6	Do
		Or Field Survey (FS) & Extension Outreach (EO)		25 (FS Report) + 25 (EO Report) +10 (Viva) + 15 Internal= 75
6 th Semester				
CC 13	Core	Research Methodology II	(5+1+0)= 6	60 + 15 = 75
CC 14	Core	Religion and Society	Do	Do
DSE 3	Discipline Specific Elective	Social Movement in India	Do	Do
		Or Population Studies	Do	Do
DSE 4	Discipline Specific Elective	Dissertation Paper Or	(0+1+5)= 6	60 (50 Report) + 10 Viva) + 15 (Internal) = 75
		Social Issues in India II	(5+1+0)= 6	60 + 15 = 75

Note:

1. It is suggested that marks for each credit is 12.5. So the total marks for a 6 Credit paper is **75** and 25 for 2 credit paper.
2. Under the existing system total marks for Hons is about 1550 (800+600+150) and for general is 1350 (300/4=1200 + 150). The CBCS will increase it to **1750** and **1500** marks respectively. Hence, there is a need to reduce the total marks to **50** for each paper of 6 credits.
3. Out of 75, final exam will of 60 marks and colleges will assign 15 internal marks twice a year based on i) class attendance and ii) assignment/ class test/ seminar etc. For 25 Marks paper, final exam will be of 20 marks and college will assign 5 marks.
4. As elective papers are introduced at BA level, I have listed some easy options in each Semester both for Generic Elective and Discipline Specific Elective Courses keeping in mind limitations of our UG colleges.
5. Given the structure of this syllabus, each Department would require at least 5/6 class rooms and 7/8 teachers to manage their classes.
6. In **project** and **dissertation** papers, credit is given for practical work. So there will not be any written exam in these papers. Marks will be assigned based on text of dissertation/project (60 Marks) + internal viva voce to be taken by college teachers (15 Marks).
7. I have drafted detail syllabus up to 4th Semester only. Detail syllabus for 5th Semester to 6th will be drafted later.
8. I have requested our university authority to offer some Skill Enhancement courses on centralized basis as the problems of all our students are common (poor in writing English, speaking English and using Computer or Internet resources). If such requested is not granted, we shall have to frame these courses also (**shown in Blue**).

PROGRAMME OUTCOME

P.O.-1. **Critical Thinking & Analysis:** Apply sociological frameworks to analyze social phenomena, considering historical context, contemporary relevance, and power dynamics.

P.O.-2. **Research & Communication:** Conduct original research, including formulating hypotheses, collecting and analyzing data, and effectively communicating findings.

P.O.-3. **Diversity & Inclusion:** Understand and appreciate diverse social identities, perspectives, and experiences, and advocate for inclusive and equitable societies.

P.O.-4. **Global Awareness:** Analyze local and global social issues within interconnected systems, recognizing the impact of social, economic, and political forces on different populations.

P.O.-5. **Ethical Reasoning:** Use ethical principles to evaluate social issues, assess potential consequences, and advocate for social justice and responsibility.

P.O.-6. **Effective Communication:** Communicate complex sociological concepts to diverse audiences, adapting language and approaches for different contexts.

P.O.-7. **Professional Preparedness:** Apply sociological knowledge and skills to various career paths, such as graduate studies, research, public service, and other fields requiring critical thinking, research, and communication abilities.

Paper Code and Title	Objectives and Outcome of Paper
SEM- I	
CC-1: Introductory Sociology I (H)	Objectives: ➤ To endow with an understanding of the relationship between human and society in the sociological perspective. ➤ To know the convergence and divergence of Sociology with other social science disciplines. ➤ To Provide basic understanding of the social structure of Society
	Course Outcome: ✓ Students will understand discipline and basic concept in sociology and social structure.

	✓ Acquaint themselves with the basic concepts of Sociology like Society, community, institutions, Association, Group, Social Structure and function along with the change of society and major segment in social life. ✓ Students will be able to differentiate between and examine types of open and closed stratification systems in terms of caste, class, wealth, gender etc.
CC-2: Rise of Sociology as a Discipline (H)	Objectives: ➤ The aim of this course is to make the students learn about contribution and idea of Hobbes, Locke, Rousseau, Montesquieu foundation of society. ➤ To understand Influences of industrial and French revolution in sociological perspective. ➤ To be familiar with the inventive idea of August Comte regarding human relation with society. ➤ To understand Ibn Khaldun's ideas of 'science' and 'society'. Course Outcome: ✓ Students will be able to comprehend of scientific temper; empiricism and rationalism, and the emergence of the category 'Society' through sociological aspect. ✓ They shall also assess social, philosophical and sociological theories, Phenomenon and perspectives, through and contributions of Hobbes, Locke, Rousseau, Montesquieu. ✓ Influences of industrial and French revolution on society are highly matter of social concern for the students of sociology. ✓ They shall be able to analysis and contribution of father of sociology August Comte and Ibn Khaldun's ideas of 'science' and 'society' in this paper.
GE-1: Invitation to Sociology I (H)	Objectives: ➤ To endow with an understanding of the relationship between human and society in the sociological perspective.

	➤ To know the convergence and divergence of Sociology with other social science disciplines. ➤ To Provide basic understanding of the social structure of Society Course Outcome: ✓ Students will understand discipline and basic concept in sociology and social structure. ✓ Acquaint themselves with the basic concepts of Sociology like Society, community, institutions, Association, Group, Social Structure and function along with the change of society and major segment in social life. ✓ Students will be able to differentiate between and examine types of open and closed stratification systems in terms of caste, class, wealth, gender etc.
	SEM- II
CC 3 : Introductory Sociology II (H)	Objectives: ➤ The aim of this course is to make the students learn about basic institutions of the society. ➤ To give an idea of the basic composition of society in terms of social institutions, pattern of urban culture and basic idea of economic, education and culture. ➤ Learn about the changing institutions, the processes, the agents and the interventions that bring about change in the society. Course Outcome: ✓ This paper is expected to bring familiarity in a student about an integrated and empirically –based profile of a society. ✓ It is hoped that the structure and processes operative in the society, the change agents operating in Indian society presented in this course will also enable students to gain a better understanding of their own situation and region. ✓ Explores substantive basic institutions of the society like Family, Kinship and Marriage and their changing dimensions.

CC 4 : Classical Sociological Thought I (H)	Objectives: ➤ The student can achieve an understanding of some of the classical contributions in Sociology, and their contemporary relevance. ➤ To make the student understand the sociological thoughts of Karl Marx, Emile Durkheim, and Herbert Spencer. ➤ Learn about the methodological shift in the discipline over the years. Course Outcome: ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the western classical theory and its contemporary relevance. ✓ Students understood history of social theory through the thought of Karl Marx, Emile Durkheim and Herbert Spencer.
GE 2 : Invitation to Sociology II (H)	Objectives: ➤ The aim of this course is to make the students learn about basic institutions of the society. ➤ To elaborate the basic concerto of society in terms of economic, education and culture. ➤ To understand the changing nature of social pattern and the process. Course Outcome: ✓ This paper is expected to bring familiarity in a student about the society. ✓ It will present a comprehensive, integrated and empirically –based profile of a society. ✓ Explores substantive basic institutions of the society like Family, Kinship and Marriage and their changing dimensions.
SEM- III	
CC 5 : Sociology in India (H)	Objectives:

	➤ The course aims to provide a general introduction to development of Indian sociological thought in and influence of sociological development in India; pre independence, post independence and contemporary sociological thought in India. ➤ To Develop the Analytical Abilities of the Students. ➤ To Introduce the Contributions of Selected Indian Social Thinkers and Sociologist like Tagore, Gandhi, Vivekananda , Benoy Kumar Sarkar and Radhakamal Mukherjee to the Students. Course Outcomes: ✓ Students will understand the contributions of Selected Indian Sociologist and Social Thinkers. ✓ Students will comprehend important contributions on Indian social thought from R. Tagore, Swami Vivekananda and M.K. Gandhi. ✓ They will learn indological perspective from Benoy Kumar Sarkar and Radhakamal Mukherjee.
CC 6 : Classical Sociological Thought II (H)	Objectives: ➤ To Develop the Understanding of Major Sociological Perspectives through the idea of Georg Simmel, Max Weber and Vilfredo Pareto. ➤ To Develop the Analytical Abilities of the Students. ➤ To Develop Research Orientation of the Students With the Understanding of Major the Oriental Perspectives. Course Outcomes: ✓ Students could enhance their critical analysis through Major Western Sociological Thoughts which given by Georg Simmel, Max Weber and Vilfredo Pareto. ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the classical contributors to the subject and the contemporary relevance of these theories.

CC 7 : Modern Sociological Theory I (H)	Objectives: ➤ To enhance the idea about Conflict Theory with the focus on Ralf Dahrendorf's Role of ICA and social change and Lewis Coser's Functions of social conflict through study of Frankfurt Schools' notion of critical theory. ➤ To understand the contributions of Malinowski in the context of the Functionalist theory of culture; Radcliffe-Brown in order to Structure and function in primitive societies; Talcott Parsons with his idea of Grand theory of action and social system and Robert Merton who analyzed middle range theory in functionalist perspective ➤ To comprehend Charles Horton Cooley's idea of Looking Glass Self, George Herbert Mead's notion of Self and Society and Herbert Blumer's contribution on Symbolic Interactionism. Course Outcomes: ✓ It enables the learners to understand contemporary social thought and critical school of thought and Frankfurt school. ✓ The pioneer fathers of sociology and their contribution for the development of sociology as an independent science which provide a critical analysis platform regarding human relation and their psychology through several modern school of thoughts.
GE 3 : Western Sociological Thought I (H)	Objectives: ➤ The student can gain an understanding of some of the classical contributions in Sociology, and their contemporary relevance. ➤ To make the student understand the sociological thoughts of Karl Marx, Emile Durkheim, and Herbert Spencer. ➤ Learn about the methodological shift in the discipline over the years. Course Outcome: ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the western classical contributors to the subject and the contemporary relevance of these theories.

	✓ Students understood history of social theory, social and political understanding of the society, thought of Karl Marx, Emile Durkheim and Herbert Spencer.
SEC 1 : Framing Questionnaire and Conducting Interview (H) OR SEC 1: Handling Data: Coding and Tabulation	Objectives: ➤ Objective of this paper is to collect information and relevant data from respondents spreads throughout a large region. ➤ To succeed in collecting accurate and reliable data in a short period of time. Course Outcome: ✓ The course is an introductory course on how research is actually done. ✓ Student will able to learn about how to collect, analyze data and how to write a field report.
	SEM- IV
CC 8 : Society in India I (H)	Objectives: ➤ To get a sense about the basic concerto of Indian society, its historical moorings, basic philosophical foundations of the society and the institutions. ➤ To learn about the changing institutions, the processes, the agents and the interventions that brings about change in the Indian society. ➤ To Provide the Student the basic knowledge of Social Structure & Change of Society. Course Outcome: ✓ This paper is expected to bring familiarity in a student about Indian society. ✓ It will present a comprehensive, integrated and empirically –based profile of Indian society. ✓ Finally, students will able to provide an Introduction of Social Structure & Social Change and how it's relevant in contemporary Indian society.
CC 9 : Modern Sociological Theory II (H)	Objectives: Explain the contributions of Anthony Giddens, Alfred Schutz, Harold Garfinkel, Husserl and Goffman Peter Blau with reference to Symbolic Interactionism and Exchange theory

	The aim of this course is to make the student aware of the origin, development and foundations of sociological theories. It also provides an understanding of various sociological perspectives namely – functionalism, conflict school, exchange theory and interactionist theory. Course Outcome: The students are now competent to interpret social issues by applying theories. The students develop critical views about society in the light of theories. The students are now competent in defining their social roles and responsibilities. The students develop skills to compare advanced theories with the classical theories. The students are now competent to address the significance of these theories in understanding the changing social realities of the West and in India. The students are now skilled in application of theories in social research.
CC 10 : Sociology in India II (H)	Objectives: ➤ To understand the modes of knowledge-construction of Indian history, society, Culture and Politics. ➤ To examine how multiple social processes, forces and ideologies shaped the terrain of the nation. Course Outcome: ✓ The course adds to the sociological interpretation of Indian history and society. ✓ The India-specific themes of the course – discourse/knowledge-making, mobilization, transformation, ideology, identity and politics, for example – are treated. ✓ It broadens viewpoints and encourages students to reflect deeply on the multicultural reality which is the defining feature of India.

GE 4 : Western Sociological Thought II (H)	Objectives: ➤ To Develop the Understanding of Major Sociological Perspectives through the idea of Georg Simmel, Max Weber and Vilfredo Pareto. ➤ To Develop the Analytical Abilities of the Students. ➤ To Develop Research Orientation of the Students With the Understanding of Major the Oriental Perspectives. Course Outcomes: ✓ Students could enhance their critical analysis through Major Western Sociological Thoughts which given by Georg Simmel, Max Weber and Vilfredo Pareto. ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the classical contributors to the subject and the contemporary relevance of these theories.
SEC 2 : Project Report Writing (H) OR SEC 2 : Counselling	Objectives: ➤ In this module you will learn about writing reports for research, some formats and their use for organizations. ➤ Some links and different internet based resources, references are provided at the end of the document. Course Outcome: ✓ Logical analysis of the subject-matter; ✓ Preparation of the final outline; ✓ Preparation of the rough draft; ✓ Rewriting and polishing; ✓ Preparation of the final bibliography; and ✓ Writing the final draft. OR Objectives:

	➤ To facilitating behaviour change among the learners ➤ To improve the student's ability to establish and maintain relationships ➤ To enhancing the student's effectiveness and ability to cope ➤ To promote the decision-making process and facilitating students potential Course Outcome: ✓ Achievement of positive mental health ✓ Problem resolution ✓ Improving personal effectiveness ✓ Making Changes in attitudes and perceptions and Behaviour modification
	SEM- V
CC- 11 : Society in India II (H)	Objectives: ➤ This course introduces students to Sociological Study of Social Inequalities. ➤ It acquaints students with principal theoretical perspectives on and diverse forms of social inequality in articulation with each other. Outcomes: ✓ Students will learn about the socio-historical context of stratification theoretical concerns and problems and contemporary issues related to inequalities s and its forms. ✓ Understanding of stratification and theories would sensitize students to its various sociological aspects, providing ample scope for applied learning and application. ✓ Examining forms of stratification, understanding the relevance of caste, race and ethnic identities in contemporary world.
CC 12 : Research Methodology I (H)	Objectives:

	➤ The course is a general introduction to the methodologies of sociological research. ➤ It will provide the student with elementary knowledge of the complexities and philosophical underpinnings of research. Course Outcome: ✓ Students are introduced to sociological research both from a theoretical and methodological perspective. ✓ Students will be able to evaluate the methodological validity of the claims made by theory. ✓ The course enables students to evaluate a piece of research and move towards designing a simple research project. ✓ Students will learn to identify ethical and practical issues in research. They also engage with the ideals of objectivity and reflexivity.
DSE 1 : Social Stratification (H) OR DSE 1 : Social Issues in India I	Objectives: ➤ This course introduces students to Sociological Study of Social Inequalities. ➤ It acquaints students with principal theoretical perspectives on and diverse forms of social inequality in articulation with each other. Course Outcomes: ✓ Students will learn about the socio-historical context of stratification theoretical concerns and problems and contemporary issues related to inequalities and its forms. ✓ Inculcate in them a truly inter-disciplinary approach in the study of society especially stratification in all its manifestations.

	✓ Examining forms of stratification, understanding the relevance of caste, race and ethnic identities in contemporary world. OR Objectives: ➤ Define and understand the nature of social problems ➤ Know the different problems like cybercrime, human trafficking, sex workers ➤ Familiarize with the causes and consequences of terrorism and corruption ➤ Understand specific social problems like alcoholism and drug addiction Course Outcome: ✓ After completion of this course, the students will be able to Cognitive Level. ✓ Observe and identify social problems, definitions of social problems, and responses to social problems. Explain how social issues and reconstruction interact and react with the larger society and its effect on individual, family and society at a large. ✓ Describe several contemporary social problems and its effects on the society. ✓ Discuss various problem solving strategies to control antisocial activities.
DSE 2 : Sociology of Gender (H) OR DSE 2 : Field Survey (FS) & Extension Outreach (EO)	Objectives: ➤ The module will introduce students to the basic concepts of sex, gender, sexuality and their interconnections from feminist perspectives and theories of gender relations. ➤ It will trace the history of liberal, radical, Marxist and socialist feminist thoughts and critically situate them within South Asian cultural politics of gendering. ➤ Postcolonial feminism, ecofeminism, postmodern third wave feminism will also be introduced.

	➤ The significance of intersectional analysis will be focused on to show how gender operates in conjunction with class, caste, sexuality, religion, race and ethnicity. Course Outcome: ✓ This paper is expected to generate ideas and sensitivity about gender in a student which he/she can put into practice in daily life. ✓ This will lead to change the prevalent biases and gender practices and create a gender neutral social world where both men and women can enjoy their basic rights and cherish to achieve their dreams. OR Objectives: ✓ To provide a systemization of knowledge of dissertation writing ✓ To understand basic idea about format of dissertation ✓ To enhance knowledge of social research, it provides basic concept of writing strategy Course Outcome: ✓ Dissertation is a research project that is done by the students as part of an undergraduate course in Sociology. ✓ This course gives opportunities to the students to do a research project on any social issue or any social aspect with the help of field work. ✓ By doing the field work the students will learn to study reality of society in an in-depth manner and ultimately gain practical experience of doing field work through effective management of challenges of field work. ✓ The skills and knowledge of research methods acquired by the students from their previous courses will be practically applied in this course.
	SEM- VI
CC 13 : Research Methodology II (H)	Objective:

	➤ The course is designed to teach the students the basics of quantitative research design and about the variables that are used to test theories and hypotheses, about multivariate/regression and descriptive statistics. ➤ The course also intends to teach the students the risk of misreporting and make them capable to avoid any bias in their research work. ➤ The course has been developed with the aim of letting the students substantiate their research works with valid facts that they would learn to extract at the end of the course, and present it in a way so that it can help future research works as well. Course Outcome: ✓ Theoretical and empirical understanding Quantitative Research Method. ✓ Competing Epistemologies: Positivism, Constructionism, Critical Turn. ✓ Introduction to Statistics. ✓ Computation Techniques: Sampling, Frequency Distribution, Central Tendency, Concept of Skewness And Dispersion, Graphical Techniques. ✓ Statistics, Politics and Plagiarism.
CC 14 : Religion and Society (H)	Objectives: ➤ This course exposes students to the distinctiveness of the sociological approach to the study of religion. ➤ The individual and the group encounter religion and/or religious phenomenon in myriad ways be it through custom, ritual, beliefs or other practices. ➤ The last section of the course touches upon some aspects of religion in contemporary times such as secularization and multiculturalism. Course Outcome: ✓ Students will be acquainted with representative texts that symbolize the development of knowledge in the field of Sociology of Religion. ✓ They will be able to identify different theories, approaches and concepts that make up the study of religion, distinguish between them and also use terms specific to the field in specific context.

	✓ Students will be able to make a link between texts and paraphrase their arguments and use these to communicate their ideas in research papers, projects and presentations. ✓ By encompassing contemporary developments the course enables students to think about linkages between religion and society at various levels.
DSE 3 : Social Movement in India (H) OR DSE 3 : Population Studies	Objectives: ➤ To introduce to the students with the concept of social movements and their dynamics. ➤ To introduce the students to the role of social movements in social transformation. ➤ To help them understand the various approaches to the study of social movements. Course Outcomes: ✓ The very aim of this paper is to disseminate knowledge about the concept of social movements and its process and change making role in the society. OR Objectives: ➤ After going through this paper, the student can understand the various facets of population studies and the theories that depict population change. ➤ Develop specific idea on Indian population structure, policies adopted and programmes launched in the country to check population. Outcomes:

	✓ The very aim of this paper is to acquaint the students with a perennial problem of the Indian society that is population growth and the measures introduced to control it.
DSE 4 : Dissertation Paper (H) OR DSE 4 : Social Issues in India II	➤ Student set out what you hope to achieve at the end of the project. ➤ Objectives, on the other hand, should be specific statements that define measurable outcomes, e.g. what steps will be taken to achieve the desired outcome. OR Objectives: ➤ After going through this paper, the student can understand the meaning, causes, consequences and forms of various social problems. ➤ Learn about the theories explaining the disorganization situations. ➤ Comprehend the concept of crime and the existing theories of punishment. Course Outcomes: ✓ This paper is designed with an expectation to impress upon a student the concept of deviant behavior leading to social problems, forms, theoretical foundations and criminal activities which he encounters in real life situations.

Tarakeswar Degree College
Affiliated to the University of Burdwan
B.A.(General) in Sociology (CBCS System)

Programme Outcomes

Programme: **B.A. (General): Sociology**

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

Programme Specific Outcomes (Sociology)

PSO1 – Understanding the nature of human society and its trajectory of change and evolution.

PSO2 – Understanding sociological perspectives and basic tenets of Indian and western sociologists.

PSO3- Building overall consciousness regarding diverse Indian social thoughts and understand contemporary forms of resistance, mobilization and changes in Indian society.

PSO4- Critical evaluation of social, economic, religious and political practices and institutions for a proper understanding of society in India as well as globally.

PSO5 – Learning about gender and sexual diversities.

PSO6- Introductory training in techniques of social research- learning to write research proposal, getting acquainted with research methodology, conducting fieldwork, citation and writing a research report.

PSO7- Familiarity with basic statistical concepts and reasoning for sociology.

PSO8- Articulate the ethical, moral, values and social justice implications of sociological inquiry.

Course Outcomes and Objectives: B.A. (General) Sociology

Paper Code and Title	Objectives and Outcome of Paper
Ist Semester	
CC 1A : Invitation to Sociology I	Objectives: ➤ To endow with an understanding of the relationship between human and society in the sociological perspective. ➤ To know the convergence and divergence of Sociology with other social science disciplines. ➤ To Provide basic understanding of the social structure of Society Course Outcome: ✓ Students will understand discipline and basic concept in sociology and social structure. ✓ Acquaint themselves with the basic concepts of Sociology like Society, community, institutions, Association, Group, Social Structure and function along with the change of society and major segment in social life. ✓ Students will be able to differentiate between and examine types of open and closed stratification systems in terms of caste, class, wealth, gender etc.

	2nd Semester
CC 1B : Invitation to Sociology II	Objectives: ➤ The aim of this course is to make the students learn about contribution and idea of Hobbes, Locke, Rousseau, Montesquieu foundation of society. ➤ To understand Influences of industrial and French revolution in sociological perspective. ➤ To be familiar with the inventive idea of August Comte regarding human relation with society. ➤ To understand Ibn Khaldun's ideas of 'science' and 'society'. Course Outcome: ✓ Students will be able to comprehend of scientific temper; empiricism and rationalism, and the emergence of the category 'Society' through sociological aspect. ✓ They shall also asses social, philosophical and sociological theories, Phenomenon and perspectives, through and contributions of Hobbes, Locke, Rousseau, Montesquieu. ✓ Influences of industrial and French revolution on society are highly matter of social concern for the students of sociology. ✓ They shall be able to analysis and contribution of father of sociology August Comte and Ibn Khaldun's ideas of 'science' and 'society' in this paper.

	3rd Semester
CC 1C : Western Sociological Thought I (G)	Objectives: ➤ The student can gain an understanding of some of the classical contributions in Sociology, and their contemporary relevance. ➤ To make the student understand the sociological thoughts of Karl Marx, Emile Durkheim, and Herbert Spencer. ➤ Learn about the methodological shift in the discipline over the years. Course Outcome: ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the western classical contributors to the subject and the contemporary relevance of these theories. ✓ Students understood history of social theory, social and political understanding of the society, thought of Karl Marx, Emile Durkheim and Herbert Spencer.
SEC 1 : Framing Questionnaire and Conducting Interview (H & G) OR SEC 1: Handling Data: Coding and Tabulation	Objectives: ➤ Objective of this paper is to collect information and relevant data from respondents spreads throughout a large region. ➤ To succeed in collecting accurate and reliable data in a short period of time. Course Outcome: ✓ The course is an introductory course on how research is actually done. ✓ Student will able to learn about how to collect, analyze data and how to write a field report.

	4th Semester
CC 1D : Western Sociological Thought II (G)	Objectives: ➤ To Develop the Understanding of Major Sociological Perspectives through the idea of Georg Simmel, Max Weber and Vilfredo Pareto. ➤ To Develop the Analytical Abilities of the Students. ➤ To Develop Research Orientation of the Students With the Understanding of Major the Oriental Perspectives. Course Outcomes: ✓ Students could enhance their critical analysis through Major Western Sociological Thoughts which given by Georg Simmel, Max Weber and Vilfredo Pareto. ✓ This paper is expected to clarify and broaden the student's knowledge about the theoretical and methodological contributions of the classical contributors to the subject and the contemporary relevance of these theories.
SEC 2 : Project Report Writing (H & G) OR SEC 2 : Counselling	Objectives: ➤ In this module you will learn about writing reports for research, some formats and their use for organizations. ➤ Some links and different internet based resources, references are provided at the end of the document. Course Outcome: ✓ Logical analysis of the subject-matter; ✓ Preparation of the final outline; ✓ Preparation of the rough draft; ✓ Rewriting and polishing; ✓ Preparation of the final bibliography; and ✓ Writing the final draft.

	OR Objectives: ➤ To facilitating behaviour change among the learners ➤ To improve the student's ability to establish and maintain relationships ➤ To enhancing the student's effectiveness and ability to cope ➤ To promote the decision-making process and facilitating students' potential Course Outcome: ✓ Achievement of positive mental health ✓ Problem resolution ✓ Improving personal effectiveness ✓ Making Changes in attitudes and perceptions and Behaviour modification
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	5th Semester
DSE 1A : Society in India- I (G)	Objectives: ➤ To get a sense about the basic concerto of Indian society, its historical moorings, basic philosophical foundations of the society and the institutions. ➤ To learn about the changing institutions, the processes, the agents and the interventions that brings about change in the Indian society. ➤ To Provide the Student the basic knowledge of Social Structure & Change of Society. Course Outcome:

	✓ This paper is expected to bring familiarity in a student about Indian society. ✓ It will present a comprehensive, integrated and empirically –based profile of Indian society. ✓ It is hoped that the structure and processes operative in the society, the change agents operating in Indian society presented in this course will also enable students to gain a better understanding of their own situation and region. ✓ Finally, students will able to provide an Introduction of Social Structure & Social Change and how it’s relevant in contemporary Indian society.
SEC 3- Conducting Survey (G) OR Ethnography & Case Study	Objectives: ➤ To elaborate the method of survey research and its use in social science research. ➤ To comprehend the process of data collection and analysis for framing out the research findings. Course Outcome: ✓ Students will learn basic idea regarding survey method. ✓ They will also get that how to use and apply it in the empirical research. ✓ This method will help the students to understand that how collect the data and analysis by applying this to make out reliable findings. OR Objectives: ➤ This paper aims to give an idea of ethnographic study and its nature and scope. ➤ Another important objective is to locate various tools and techniques of ethnographic method to use as per kind of social phenomenon. Course Outcome: ✓ This paper will provide essential concept of ethnographic method to the students.

	✓ Students will be able to trace out suitable tools and techniques to apply in their social research. ✓ They will also enhance their knowledge about gathering data for valuable findings.
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	6th Semester
DSE 1B : Society in India II (G)	Objectives: ➤ Aiming of this paper is to investigate the basic structure of human society. ➤ To identify the main forces that hold groups together or weaken them and to learn the conditions that transform social life. ➤ It highlights and illuminates aspects of social life that otherwise might be only obscurely recognized and understood. ➤ To clarify the underlying nature of social problems and to identify aspects that seems most amenable to remedy with the knowledge and skills at hand. Course Outcomes: ✓ Students will get astounding variety in virtually every aspect of Indian social life. ✓ They will be familiar with the diversities of ethnic, linguistic, regional, economic, religious, class, and caste groups crosscut Indian society, which is also permeated with immense urban-rural differences and gender distinctions. ✓ They will also understand the contemporary Indian culture is rapidly occurring changes affecting various regions and socioeconomic groups in disparate ways.

**SEC 4 : Use of
Statistics in Social
Research (G)**

OR

**SEC 4 : Research
Design and Sampling
Techniques**

Objectives:

- The aim of this paper is to provide an idea about some of the statistical methods used in the field of social sciences.
- To identify the **central tendency**, one value in a data set that is used to describe the centre, or middle, point in the set.
- To understand statistical approach used to explain data and provide a summary of the information collected by a study.

Course Outcome:

- ✓ Students will learn use of statistical tools to study cultural change in the society, figure out the population growth, crime, poverty, education etc.
- ✓ They will also be able to study statistically the relation between prostitution and poverty, crime and poverty, drunkenness and crime, illiteracy and crime etc.
- ✓ Thus students will understand statistics is of immense use in various sociological studies in terms of measures of central tendency (mean, median, and mode) are descriptive statistics to test hypothesis and their relation.

OR

Objectives:

- The purpose of a research design is to provide a plan of study that permits accurate assessment of cause and effect relationships between independent and dependent variables in social issues.
- The primary goal of this paper is to understand use of sample in social science research.

	Course Outcome: ✓ Students will be able to comprehend the use of different methods and give examples of how sociologists utilize methods in their research. ✓ They will get an idea of the benefits of conducting sociological experiments ✓ Understand why ethical standards exist
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TARAKESWAR DEGREE COLLEGE

DEPARTMENT OF GEOGRAPHY

The Department of Geography, Tarakeswar Degree College provides opportunities to students to study Three years of Degree Courses in Geography Honours and General as per the Geography Honours and General syllabus of The University of Burdwan. This department provides Fourteen core courses, Four Discipline Specific Electives (DSE papers), and Two Skill Enhancement Courses (SEC) during the whole course i.e., from semester I to semester VI. Along with this four General Elective subjects are also provided.

For the Three years, General Degree Course the Department of Geography offers four core courses, two Discipline Elective Courses (DSE), and four Skill Enhancement Courses (SEC) for semesters I to VI.

During this course, students learn about various branches of Geography like Physical Geography, Geomorphology, Geotectonic, Bio Geography, Soil Geography, Population Geography, Environmental Geography, Social Geography, Cultural Geography, Settlement Geography, Urban Geography, Disaster Management, Economic Geography, Geographical Thought, Cartography, Human Geography, Research methodology, etc. Along with this students also learn computer-based courses with the help of free GIS software that is Quantum Geographical Information System (QGIS).

PROGRAM OUTCOMES POs:

B.Sc. (Hons/General) Graduates will be able to:

Program Outcome 01

Knowledge about Earth and its Features: The graduate of geography are enriched with knowledge of the earth's features and its landforms. They have knowledge about the origin and changes of in different earth features and the reason for their location and changes.

Program Outcome 02

Analysis of Maps and Graphs:

A graduate in Geography is able to analyse maps and graphs which is helpful in identifying spatial locations of different types of resources.

Program outcome 03

Idea about Human society, population, Migration, Race, Caste, Religion etc.

Students learn about evolution of human society, geographical distribution of population, evolution of races, caste, religion, movement of population etc. It helps to understand them the society.

Programme Outcome 04:

Theoretical and Practical knowledge of map making

Theoretical knowledge of cartograms and Thematic Maps and their practical application in solving the real problems.

Program outcome 05

Knowledge about Weather, climate and its related phenomena

It helps to understand the atmospheric phenomena, its occurrence and effects over the places and time. It is helpful in management of various kinds of climate induced disasters.

Program outcome 06

Knowledge of data analysis

The knowledge of statistics enable students to analyse and interpret various types of data which makes them eligible for jobs in this field.

Program outcome 07

Broadening the idea of country (India)

It gives a broader idea about the physical, social, cultural and economic set up of India.

Program outcome 08

A broad concept and idea of Region and Planning

It gives idea of region, its evolution, regional planning. Regional development, inequality and planning

Program outcome 09

Concept of Economic activities and its geographical distribution

A student learns about the concept of economic activities and its classification. It also helps to understand the causes and distribution of various types of economic activities at different places over the surface of the earth.

Program outcome 10

Environment and sustainability:

A graduate in geography has better knowledge of the environment and environmental issues. Sustainable use of resources etc.

Program outcome 11

Idea of Research and methodology

Under the syllabus, students go through research methodologies where they learn how to do research. They learn about objectives, methodology, collection of data, fieldwork, surveys, and other information related to research which help them during their higher studies.

Program outcome 12

Knowledge and application of Remote Sensing and application of GIS

Students of Geography learn about process of data acquisition through remote sensing (Satellites and Airborne platforms). Application of open source software (QGIS software) in the development of thematic maps and diagrams.

Program outcome 13

History of evolution of the discipline of Geography

It provides knowledge of chronological development of geography, its nature and inclusion of new thoughts.

Program outcome 14

Knowledge of Disaster Management

Knowledge of disaster and its management is an important issue. Geographers learn how to manage various types of disasters. Therefore, it is helpful for the society.

Program outcome 15

Knowledge and application of computer

Students learn basics and application of computers which help them to secure job in this digital era. It also helps to fulfil the aim of Digital India.

Program outcome 16

Field Work

During the field visits, preparation of project reports, and different departmental programs students that how to work in a team which is helpful for them in their job in the future.

Program outcome 16

Knowledge of settlement, urban development and culture

A graduate in geography has knowledge settlements their forms, society and culture. Geography describe the spatial characteristics of culture and society.

Program outcome 16

Knowledge of Demography:

A geographer is well aware of Demography and its various parameters. Thus, a geographer has a better understanding of the population and its different parameters.

Program outcome 17

Knowledge of Resources and its availability

Provides knowledge about the availability and utilisation of resources, its preservation and sustainability.

Program outcome 18

Knowledge of soil and biotic world

Knowledge of soil and its geographical distribution and characteristics helps to understand distribution of plants and animal world.

Program outcome 19

Types, characteristics and distribution of Agricultural practices

It elaborate knowledge about various types of agricultural practices and their characteristics.

Program outcome 20

Ethics

A student of geography learns many things about society, culture, and environment and develops ethical values.

Program-Specific Objectives (PSOs)

1. To study the features of the earth along with processes of their origin, development, and transformation.
2. To analyse the spatial pattern of events may be physical, social, cultural, political, historical, biological, etc.
3. To aware students of computer-based technology and the use of software for geographical studies and to find solutions to environmental and social problems with the help of its application.
4. To teach them about conducting research work along with ethical values and application for the benefit of mankind.
5. An interdisciplinary approach to apply knowledge in solving major issues with the help of other disciplines.

Course Outcomes of UG Honours Course:

Course code	Course Title	Course Outcomes
CC-1	GEOTECTONICS AND GEOMORPHOLOGY	1) Students will gain knowledge of plate distribution around the globe as well as an understanding of the impact of plate tectonics. 2) Students will gain in-depth knowledge about the physical characteristics of the earth. They learn about various aspects of the earth and also obtain information about the creation, as well as the evolution and destruction of various landforms on the earth.
CC2 (Th+P)		1) Students learn a theoretical understanding of map-making. 2) Understand the concept and utility of projection, topographical maps, geological maps, etc..

	CARTOGRAPHIC TECHNIQUES AND GEOLOGICAL MAP STUDY	1) Students will gain knowledge about the shape of the earth as well as the measurement of latitude and longitude. 2) Understand different types of scales, their differences, and their applications. 3) Students learn to identify rocks and minerals and are also able to interpret geological maps and toposheets, etc.
CC3	HUMAN GEOGRAPHY	1) Students learn about the human aspects of geography and also understand the relationship between humans and the environment. 2) Understand the approaches and processes of human geography as well as the diverse patterns of habitat and adaptations. 3) Build an idea about population growth and distribution.
CC4 (Th+Pr)	CARTOGRAMS, SURVEYS, AND THEMATIC MAPPING	1) Students get theoretical knowledge about the concept of cartograms, and thematic maps and also understand clearly the basic theoretical concept of surveying and survey equipment.
		1) Students gain an understanding of the direct interaction of various types of surveying instruments, like a dumpy level and a theodolite, etc., with the environment. 2) Students develop an understanding of the basic concepts of cartographic and thematic map techniques.
CC5	CLIMATOLOGY	1) Students get knowledge about condensation and precipitation processes. 2) Understood the importance of the layers, Isolation, Pressure, wind, etc. of the atmosphere. 3) Develop an idea of how cyclones function and their impact. 4) Focus on the Greenhouse effect and the importance of the ozone layer importance in our environment.
CC6 (Th+Pr)		1) Students get help through theoretical Statistical knowledge that helps them to understand the concepts of data, sampling, and distribution. It also guides them to

	STATISTICAL METHODS IN GEOGRAPHY	use the proper methods to collect the data, employ the correct analyses, and effectively present the results. 1) Students develop knowledge of data collection, tabulation, presentation of data, and use of various statistical methods. 2) Students get the idea of statistical application. 3) Recognize the importance and application of statistics in Geography
CC7	GEOGRAPHY OF INDIA	1) Students gain a thorough understanding of India's and West Bengal's geography. 2) Drawn attention to the green revolution and its consequences 3) Help to understand the regional development of Darjeeling and Sunderban. 4) Students have knowledge about the distribution of industry in India since Independence.
SEC 1	COMPUTER BASICS AND COMPUTER APPLICATIONS	1) Students develop knowledge about data computation, storage, and formatting in spreadsheets. 2) Students learned about statistical parameters like mean, median, mode, etc. using Excel on a computer.. 3) The student gains an understanding of number systems and binary arithmetic.
CC8	REGIONAL PLANNING AND DEVELOPMENT	1) Learn about the definition of a region, its evolution, and the various types of regional planning. 2) Studying a variety of models helps to comprehend global and Indian regional development. 3) Gain knowledge about measuring inequality 4) Get introduced to NITI Aayog and its functions.
CC9	ECONOMIC GEOGRAPHY	1) Focuses on the concept and classification of Economic Activities.

		2) Through various theories, students get an idea of how to analyze the factors affecting the location of agriculture and industries. 3) Familiar with International Trade Blocs 4) Give an idea about the agricultural systems of tea plantations in India and mixed farming in Europe.
CC10 (Th+Pr)	ENVIRONMENTAL GEOGRAPHY	1) Learn about the Geographers' Approach to Environmental Studies. 2) Build an idea about environmental degradation, pollution, and other environmental issues. 3) Focuses on national and global environmental programs and policies on forests and wetlands.
		1) Learn the significance and Interpretation of air quality using CPCB / WBPCB data. 2) Students learn about the preparation of a questionnaire for a perception survey on environmental problems. 3) Learn to construct a Leopold matrix to assess environmental impact.
SEC 2	ADVANCED SPATIAL STATISTICAL TECHNIQUES	1) Students get an idea about the concepts of probability and normal distribution and their geographical applications. 2) Students learn about statistical methods such as correlation, regression, and hypothesis testing. 3) Build up knowledge of spatial and non-spatial data.
CC11 (Th+Pr)	RESEARCH METHODOLOGY FIELD WORK	1) Students understand the idea of research problem objectives and hypothesis, 2) Application of literature review in research work. 3) Know about different types of field techniques and tools. 4) Develop ideas on the Collection of samples. Preparation of inventory from field data. Post-field tasks.

		1) Practical knowledge about the creation of a questionnaire, the collection of primary data, and the preparation of a field report on a specific research problem
CC12	REMOTE SENSING AND GIS	1) Students learn about the different types of Remote sensing satellites with examples. 2) Develop ideas on Concepts and Principles of Remote Sensing 3) Students can develop an understanding of the value of using true and false color in remote sensing. 1) Gain knowledge about image processing, classification, georeferencing, editing, drawing a thematic map, and output, overlays.
DSE 1	CULTURAL SETTLEMENT AND GEOGRAPHY	1) Students have got a basic concept of cultural geography. 2) Learners can gain knowledge of the morphology of rural settlements and urban-settlement. 3) Critically analyze how policy impacts the population process.
DSE2	POPULATION GEOGRAPHY	1) Students have an idea about different concepts related to population and population characteristics. 2) Students learn concepts like the growth of population, population density, fertility rate, mortality rate, migration, population explosion, birth control, population policy, etc. 3) Students have got knowledge about the relevance of the Marxian concept of population growth in the present day.
CC13	EVOLUTION OF GEOGRAPHICAL THOUGHT	1. This module is based on the history of the development of geographical thought from the past to the present. 2. This is helpful in understanding the development of geographical ideas in the different parts of the world.

		3. This is useful for the students to get an idea about the great philosophers and geographers who contributed to the development of geographical thought.
CC14	DISASTER MANAGEMENT	1. This is helpful in enhancing the knowledge of students about the environment, its protection, and management. 2. Students not only learn about the causes and impacts of disasters and hazards but also learn how to manage them. 3. This is also helpful in serving the locality as well as the nation when needed. 4. Students can aware of the impact and management of a disaster .
DSE 4	SOIL AND BIOGEOGRAPHY	1. This is helpful in understanding the process of soil formation, and the properties, types, and characteristics of the soil. 2. This provides knowledge about the causes of soil erosion and its management. 3. This is also helpful in gaining knowledge about different types of crops grown in different soil. 4. The Biogeography part of this paper helps students to understand the different aspects of the living and non-living world and their interrelationships. 5. This is helpful in providing knowledge about the energy and biogeochemical cycles, ecosystem, food chain, food web, biomes, and biodiversity.

Course Outcomes of UG General Course:

Course	Course	Learning Outcomes

code	Title	
CC1A	GEOMORPHOLOGY AND CARTOGRAPHY	1) Students get an idea about the evolution of landforms. 2) This paper also describes the various types of landforms
		1) They learn about drawing linear and comparative scales. 2) Along with the drawing of linear and comparative scales, students also learn about thematic maps to represent socio-economic and climatic data.
CCIB	PHYSICAL ENVIRONMENT AND SURVEYING	1. In the physical environment part, students learn about climate, soil, and bio-geography. 2. A topic like the distribution of temperature, climatic classification, cyclones, and precipitation of rainfall really enhances the knowledge of students in this field. 3. Under the sub-topic soil, properties and formation of soil are really useful for students. 4. In Bio-geography students learn about ecosystems and biomes which is really helpful in the enhancement of their knowledge in the field of environment.
		1. In practical students learn about the technique of using different surveying instruments like a Prismatic compass, Dumpy Level, Plane table, etc.
CC-IC	HUMAN GEOGRAPHY AND MAP STUDY	1) Students have got the details knowledge about the different types of space cultural regions and their importance in the geographical study. 2) Understand the difference between rural and urban settlements and the types and patterns of rural settlements
		1) Students got knowledge about how the weather map may be interpreted
SEC1	COMPUTER BASICS AND COMPUTER APPLICATIONS	1) .Students get the opportunity to learn the basics of computers.

		2) Along with the basics, students learn the application of computers to develop different types of thematic maps and analysis of statistical diagrams.
CC ID	ENVIRONMENTAL GEOGRAPHY	1. Students get knowledge about the different aspects of the environment. 2. Students get awareness about the protection of the environment along with different programs to conserve our environment and bio-reserve. 3. This is helpful in enriching the knowledge of students about policies adopted by the Government of India regarding the environment along with environmental movements in India.
SEC 2	REGIONAL PLANNING AND DEVELOPMENT	1. Students get knowledge about the concept of region and regional planning. 2. One of the key indicators of the development of HDI and its calculation, students learn at this stage. 3. The development of agriculture and industry since 1970 is an important topic that enriches the knowledge of students about the historical perspective of the development of our country. 4. Students are taught to prepare questionnaires to assess the important issues of the environment such as pollution, solid waste management, sanitation, and health.
		1. Students learn how to prepare a project on the computer with the help of software e.g. QGIS.
DSE1A	GEOGRAPHY OF INDIA	1) Students get knowledge about the landforms drainage and climate of India. 2) .Analyse the relationship between climate, availability of water resources irrigation, and agricultural food production. 3) Students learn how to prepare a field /project report on the basis of primary data by visiting the field along with using secondary data from different sources.

SEC3	COLLECTION MAPPING AND INTERPRETATION OF CLIMATIC DATA	1) Student learn how to draw different types of climatic maps along with their importance. 2) The important part is the interpretation of the Daily Weather Map of the Indian sub-continent that enhances the knowledge of students about a prediction of weather.
DSE IB	DISASTER MANAGEMENT	1. Students learn the difference between hazard and disaster along with their classification. 2. Theoretically, students get knowledge about the management of different disasters e.g., earthquake, landslide, flood, cyclones, etc. 3. Students also learn how to prepare disaster maps on the basis of secondary data.
SEC-4	ROCKS AND MINERALS AND THEIR MEGASCOPIC IDENTIFICATION	1. Students learn about the role of rocks and minerals in the compositiearth's earth crust. 2. Students learn how to identify rocks and minerals on the basis of their physical and chemical characteristics.

TARAKESWAR DEGREE COLLEGE
DEPARTMENT OF MUSIC
B.A. (Hons.) CBCS
COURSE OBJECTIVES AND LEARNING OUTCOMES

Programme Outcomes: Music Honours

- PO1- Identify domain specific concept and techniques.
- PO2 - These course wili definitely be beneficial to those students who want to pursue Music as a profession.
- PO3 - They can go for higher studies in performing arts.
- .
- PO4 - Demonstrate creative improvising within the framework of Hindustani classical Music.
- PO5 - Students would gain proficiency in theoretical knowledge of music and apply them in research and professional areas while they perform various stage.
- PO6 - Students gains knowledge about the multi-dimensional values of Indian Music.
- PO7 - Apply the skills gained during the course of study in performance and music production.
- PO8 - Develop social and ethical responsibilities of a music professional.

Course Outcomes

SEM I

CC-1 - Elementary Knowledge of Music(Theory)

Course Objectives:

- Introduction to musical terms
- To learn notation system-Reading & writing.

Learning Outcomes:

- Ability to articulate basic music theory in Indian Music

CC-2- Thata- Raga Swaramalika Lkashangiti in different talas (Practical)

Course Objectives:

- Introduction to Proper Voice Culture through different exercise
- Basic Knowledge of thata, raga and tala

Learning Outcomes:

- Ability to sing drut compositions with basic elaborative technique
- Ability to sing basic compositions in prescribed ragas
- Preliminary knowledge of laya, tala, concept in Hindusthani Classical Music

SEM II

CC-3 - Introduction of Rabindra Sangeet and theoretical knowledge of Raga, Talas & Notations (Theory)

Course Objectives:

- Analyse Tagore's contributions and works in the various field of art, music and literature
- Illustrate on the life and works of Rabindranath Tagore

- Environment of JORASANKO Thakurbari, his music teachers and influence of the family members on the development of Tagore musical life

Learning Outcomes:

- Analyse various fundamental and technical aspects of Rabindra Sangeet
-

CC-4 - Rabindra Sangeet : Thematic Variations (Practical)

Course Objectives:

- Practice and perform song from different parjays of Rabindra Sangeet and composed in various talas (rhythm)

Learning Outcomes:

- Perform a variety of Rabindra Sangeet.
- Acquire basic training and understanding of Rabindra Sangeet and music which will strengthen their foundation in this field and help them to pursue higher education in music specially Rabindra Sangeet

SEM III

CC-5 - History of Indian Music - Ancient Period & Medieval Period (Theory)

Course Objectives:

- To understand a Historical perspective of music in the Ancient & Medieval Period
- To study the contribution of some early scholars musicians of Hindusthani Classical music
- To learn about technical terms pertaining to musicology
- Knowledge of different styles of music - Dhrupad, khayal, Dhamar
- Student have understand the evaluation and development of old form of Bengali song such as charjageeti, Mangal geeti, Srikrishna Kirtan

Learning Outcomes:

- Ability to critically analyse theoretical aspects of music

- Knowledge about the role of eminent musicians in the context of enriching Hindusthani Classical music

CC-6 - Kheyal : Vilambit & Drut (Practical)

Course Objectives:

- To learn basic skill of improvisation
- Introduction to Vilambit compositions
- Teaching drut compositions in the kheyal form along with basic improvisational technique

Learning Outcomes:

- Increase the repertoire of ragas
- Ability to have an enhanced perspective of raga interpretation
- Ability to have a wider repertoire width within Hindusthani music genres

CC-7 - Bangla Gan (Practical)

Course Objectives:

- To learn traditional Bengali song such as- Bramha Sangeet, puratani song, Bengali Tappa, Kirtan, Ramprasadi etc.

Learning Outcomes:

- Ability to have an enhanced understanding of Bengali song performance and practice

SEM IV

CC-8 - History of Indian Music - Modern Period (Theory)

Course Objectives:

- To study the Historical context of Hindusthani music in the Modern Periods
- To study the contribution of scholars musicians in the field of Hindusthani Music

Learning Outcomes:

- Knowledge about the role of eminent musician in the context of enriching Hindusthani classical Music

CC-9 - Dhrupad & Dhamar (Practical)

Course Objectives:

- This course focuses on the Dhrupad, Dhamar genre and aim to teaching different compositions in the prescribed ragas
- To learn the concept of nomtom alapa , to learn the concept of layakari while singing dhrupad & dhamar compositions

Learning Outcomes:

- To develop ability to sing basic compositions in the Dhrupad
- Ability to have an enhanced understanding of Dhrupad performance practice

CC-10 - Thumri & Bhajan (Practical)

Course Objectives:

- Learning a simple bhajan and thumri are the focus areas of this Course
- To learn basic principles of semi classical genres such as Thumri

Learning Outcomes:

- Ability to sing Bhajan
- Ability to sing thumri compositions in prescribed ragas

SEM V

CC-11 - Theoretical aspects and Musical distinctiveness of Rabindra Sangeet (Theory)

Course Objectives:

- Assess and analyse the influence of various musical forms- Western music, Indian Provincial music Padavali on the musical creation of Rabindra Sangeet

Learning Outcomes:

- Apply performance theory in analysis and evaluation of the musical works of Tagore.

CC-12 - Different forms and styles of Rabindra Sangeet (Practical)

Course Objectives:

- Practically demonstrate the influence of various musical form on the musical composition of Rabindra Sangeet
- Performed competently songs composed by Rabindranath Tagore different genres and musical styles

Learning Outcomes:

- Communicate completely about various musical elements - scale, taal (rhythm), notations - apply them in their practice and performance

DSE1 - Knowledge of Raga (Practical)

Course Objectives:

- To impart the knowledge of raganga classification
- To teach the characteristic phrase of ragas classified under one group

Learning Outcomes:

- Ability to have a critical understanding of raga phrase and demonstrate the same
- Acquire a thorough understanding of raganga paddhati of raga classification and the ability to demonstrate this distinction through bandis and improvisatory phrases in each raga

DSE2 - Knowledge of the tala and Notation reading Hindusthani & Akarmatrik

Knowledge of Tala (Practical)

Course Objectives:

- Concept of Tala
- Student can have some idea about the aspects of tala, laya, many important definition karnatic tala system

Learning Outcomes:

- Students will be benefited extremely. The syllabus have made very consciously and the students will be advanced by the above

SEM VI

CC-13 - Kheyal (Practical)

Course Objectives:

- Teaching Vilambit & Drut compositions in the kheyal from along with basic improvisational technique
- To learn Vilambit & Drut Kheyls with Gayaki in the prescribed ragas

Learning Outcomes:

- To have a greater command and suntle understanding about the gayaki and the various techniques of elaborating a bandish/ composition through alapa, bolalapa & tana.

CC-14 - Rabindranath's Gitinatya & Nritya natya (Practical)

Course Objectives:

- Perform RabindraSangeet from different plays and seasonal drama of Tagore
- Oranise the production of music drama

Learning Outcomes:

- Organise the music arrangment and production of different typesas drama of Rabindranath Tagore

DSE3 - Demonstration Kheyal (Practical)

Course Objectives:

- Teaching Vilambit & Drut compositions in the kheyal from along with basic improvisational technique
- To learn Vilambit & Drut Kheyls with Gayaki in the prescribed ragas

Learning Outcomes:

- Ability to develop and interpret a raga through its compositions
- To have a greater command and suntle understanding about the gayaki and the various techniques of elaborating a bandish/ composition through alapa, bolalapa & tana.

DSE 4 - Stage Demonstration- Rabindrasangeet & Bengali Song (Practical)

Course Objectives:

- Teaching drut compositions in the kheyal form along with basic improvisational technique
- To learn different types of Bengali song- Najrulgeeti, Atulprasadi. Rajanikanta Dwigendrageeti.
- To learn different parjay of Rabindra Sangeet

Learning Outcomes:

- Ability to perform various types of Bengali song, Folk Song.
- Ability to perform Rabindra Sangeet
- Ability to have an enhanced perspective of raga interpretation

Tarakeswar Degree College
Department of Music
B.A. (General) in Music
Under Choice Based Credit System
w.e.f. 2017-2018 onwards
Programme Outcomes

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

Course Outcomes:

SEM I

CC-1 A- Elementary Knowledge of Music (Theory)

Course Objectives:

- Introduction to various musical terms
- To learn notation system-Reading & writing.
- Knowledge of Hindusthani tala

Learning Outcomes:

- Ability to articulate basic music theory in Indian music

SEM II**CC-1B - Knowledge of swara, Raga& Other songs (Practical)****Course Objectives:**

- Basic Voice Culture, Learning simple compositions in the prescribed ragas and having basic understanding of tala and laya are the areas of focus for this course

Learning Outcomes:

- Ability to understand of Raga Sangeet
- Ability to sing basic compositions in prescribed ragas
- Preliminary knowledge of laya, tala, concept in Hindusthani Classical Music

SEM III**CC-1 C - History of Indian Music (Theory)****Course Objectives:**

- study of Historical perspective of music in the Ancient & Medieval Period
- To learn about technical terms pertaining to musicology

Learning Outcomes:

- Ability to critically analyse theoretical aspects of music

SEM IV**CC-1 D - Swaramalika- Drut kheyal, Rabindrasangeet & Folk Song (Practical)****Course Objectives:**

- Teaching drut compositions in the kheyal form along with basic improvisational technique

Learning Outcomes:

- Ability to have an enhanced perspective of raga interpretation

- Ability to perform various types of Bengali song-- Najrulgeeti, Atulprasadi. Rajanikanta Dwigendrageeti.
- Ability to perform Rabindra Sangeet

SEM V

DSE1A - Knowledge of Raga (Practical)

Course Objectives:

- To impart the knowledge of raganga classification
- To teach the characteristic phrase of ragas classified under one group

Learning Outcomes:

- Ability to perform a critical understanding of raga phrase and demonstrate

SEC3 - Knowledge of swara ,Raga & Other Song (Practical)

Course Objectives:

- Teaching basic knowledge of swara, raga.
- To learn different types of Bengali song- Najrulgeeti, Atulprasadi. Rajanikanta Dwigendrageeti, Folk song
- To learn different types of Rabindra Sangeet

Learning Outcomes:

- Ability to have an enhanced perspective of raga interpretation
- Ability to perform various types of Bengali song , Rabindra Sangeet, FolkSong

SEM VI

DSE1B - Knowledge of tala and Notation reading Hindusthani & Akarmatrik (Both) (Practical)

Course Objectives:

- Concept of Tala

- Student can have some idea about the aspects of tala, laya, many important definition karnatic tala system

Learning Outcomes:

- Students will be benefited extremely. The syllabus have made very consciously and the students will be advanced by the above

SEC4 - Stage demonstration - Rabindra Sangeet and Bengali Song (Practical)

Course Objectives:

- Teaching drut compositions in the kheyal form along with basic improvisational technique
- To learn different types of Bengali song- Najrulgeeti, Atulprasadi. Rajanikanta Dwigendrageeti.
- To learn different parjay of Rabindra Sangeet

Learning Outcomes:

- Ability to have an enhanced perspective of raga interpretation
- Ability to perform various types of Bengali song
- Ability to perform Rabindra Sangeet

PROGRAMME OUTCOMES and COURSE OUTCOMES
of
B.A. IN POLITICAL SCIENCE (GENERAL) WITH CHOICE-BASED
CREDIT SYSTEM

Programme Outcomes

Programme: **B.A. (General): Political Science**

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

Programme Specific Outcomes: B.A. (General): Political Science

PSO-1: Effective Citizenship- The program educates students about citizenship, encouraging responsible behaviour through commemorating important events and raising awareness in Indian society. It also tackles socio-political issues like domestic violence and disillusionment among youth in a materialistic world.

PSO-2: Effective Communication- Establishment of linkages between academics and civil society at large so as to successfully address socio-political problems.

PSO-3: Political Science and Society- The comprehensive teaching of public administration in India enables a deep understanding of the interrelationship between policy decisions and their impact on society.

PSO-4: Individual and Team Work- To excel individually and socially, engage in collaborative research and presentations. Participate in seminars on Indian democracy and parliament analysis. Join quiz competitions to enhance social skills.

Course Outcomes of B.A. in Political Science

Semester -1

CC- 1A : WESTERN POLITICAL THOUGHT

By the end of this course, students will be able to:

CO-1: Analyse and assess the major themes and arguments in key works of Western political thought.

CO-2: Critically evaluate the concepts of power, justice, and legitimacy

CO-3: Compare and contrast the ideas of influential thinkers

Semester -2

CC-1B: Political Theory

By the end of this course, students will be able to:

CO-1: Articulate and interpret fundamental concepts in political theory

CO-2: Analyse and explain key contested concepts

CO-3: Compare and contrast major political ideologies

CO-4: Examine the role of political actors in contemporary societies

Semester -3

CC- 1C : INDIAN POLITICAL THOUGHT

By the end of this course, students will be able to:

CO-1: Demonstrate comprehensive knowledge of the historical development of Indian political thought.

CO-2: Engage in critical analysis of central themes in Indian political discourse

CO-3: Compare and contrast major ideological currents within Indian political thought.

CO-4: Apply theoretical frameworks to contemporary political and social issues.

SEC-1: LEGISLATIVE PRACTICES AND PROCEDURES

By the end of this course, students will be able to:

CO-1: Explain the legislative landscape in India

CO-2: Navigate the legislative process

CO-3: Contribute effectively to legislative committees

CO-4: Engage with the budget process

CO-5: Utilize media for legislative support

OR.

SEC-1: ELECTORAL PRACTICES AND PROCEDURES

By the end of this course, students will be able to:

CO-1: Explain the key stages and procedures in conducting elections in India, both for Parliament and state assemblies.

CO-2: Analyse the structure and functions of the Election Commission at both national and state levels.

CO-3: Critically assess past and proposed electoral reforms in India, understanding their potential impact on the electoral process.

SEMESTER-IV

CC-1D: INDIAN GOVERNMENT AND POLITICS

By the end of this course, students will be able to:

CO-1: Demonstrate a thorough understanding of the constitutional roots of the Indian political system.

CO-2: Critically evaluate the structure and implications of Indian federalism.

CO-3: Explain the functions and processes of key institutions.

CO-4: Engage with contemporary political dynamics in a nuanced manner.

SEC-2: PUBLIC OPINION AND SURVEY RESEARCH

By the end of this course, students will be able to:

CO-1: Explain the concept of public opinion and its characteristics

CO-2: Critically evaluate methods and techniques used in public opinion research.

CO-3: Design and conduct effective interviews.

SEC-2: ENVIRONMENTAL AWARENESS

By the end of this course, students will be able to:

CO-1: Articulate the meaning and significance of environmentalism.

CO-2: Critically assess environmental challenges

CO-3: Evaluate global efforts to address climate change.

SEMESTER- V

DSE-1A: SELECT COMPARATIVE POLITICAL THEORIES

By the end of this course, students will be able to:

CO-1: Critically compare and contrast distinctive features of Indian and Western political thought.

CO-2: Engage in depth with prominent Western thinkers and their influential ideas.

CO-3: Gain a good understanding of key Indian political thinkers and their contributions.

CO-4: Effectively utilize a comparative approach to analyse contemporary political issues.

OR,

DSE - 1A: DEMOCRACY AND DECENTRALIZED GOVERNANCE

By the end of this course, students will be able to:

CO-1: Analyse the historical development of the state system and the evolving concept of sovereignty.

CO-2: Critically assess the role of global economic institutions and regulations.

CO-3: Analyse the impact of transnational actors on economic and political dynamics.

CO-4: Evaluate the dynamics and contributions of civil society

SEC-3: DEMOCRATIC AWARENESS THROUGH LEGAL LITERACY

By the end of this course, students will be able to:

CO-1: Demonstrate a basic understanding of the Indian Constitution and its key components.

CO-2: Critically evaluate key laws impacting everyday life.

CO-3: Engage in informed discussions about balancing security and human rights.

CO-4: Navigate the Indian legal system with increased awareness.

OR,

SEC-3: GENDER SENSITIZATION

By the end of this course, students will be able to:

CO-1: Analyse the relationship between gender and political participation, policymaking, and development.

CO-2: Critically evaluate security concerns specific to women and the transgender community.

CO-3: Critically explore the experiences of women in conflict and crises.

Semester-6

DSE-1B: PUBLIC POLICY: CONCEPT AND IMPLICATIONS IN INDIA

By the end of this course, students will be able to:

CO-1: Articulate and analyze the fundamental concepts of public policy in India.

CO-2: Critically evaluate the historical development of public policy in India since independence.

CO-3: Examine the diverse constraints and challenges impacting public policy effectiveness in India.

OR,

DSE-1B: UNDERSTANDING GLOBALIZATION

By the end of this course, students will be able to:

CO-1: Critically analyze the concept of globalization and its ongoing debates.

CO-2: Assess the multifaceted impact of globalization on the Indian economy.

CO-3: Critically examine the complex relationship between globalization and terrorism

SEC-4: PEACE AND CONFLICT RESOLUTION

By the end of this course, students will be able to:

CO-1: Explain the fundamental concepts of international peace and conflict resolution.

CO-2: Critically evaluate different theories of international conflict resolution.

CO-3: Analyse the complex relationship between peaceful and war-torn zones.

CO-4: Develop a good understanding of contemporary peace and conflict resolution.

OR,

SEC-4: HUMAN RIGHTS EDUCATION

By the end of this course, students will be able to:

CO-1: Explain the founding principles and history of human rights.

CO-2: Critically examine the relationship between human rights and counter-terrorism.

CO-3: Evaluate the Indian Constitution as a framework for human rights.

CO-4: Understand the role and functions of the National Human Rights Commission (NHRC).

Programme Outcomes (PO)

1. The theoretical knowledge of track and field events helps the students to learn the various techniques along with the international rules of the events. Since they learn the rules, they can become qualified state, national and international officials. This definitely will elevate their professional career. They will be of great demand in their professional circle.
2. Present day technological developments have paved a clear way to the sports performance enhancement. Hence the Foundation of Physical education is introduced to the students. The history of both physical education and the Olympics helps the students to know the background of the events. Towards the further improvement, it is apt to say that Young Men Christian Association (YMCA), Sports Authority of India (SAI), Sports Development Authority of Tamil Nadu (SDAT), National and International competitions and sports festivals contribute to the present day sports performance improvement..
3. Anatomy and Physiology are the sports science subjects that deal with the structure and functions of the human body. Since, the knowledge about the human body is very essential to understand the muscular and skeletal involvements of various joints, the students learn this mechanism with lot of interest to perfect the sports movements. It is useful to learn about the internal organs like heart, lungs and nervous system as they are the primary supporters of all body movements. This knowledge will assure the students the ratio of physical work and recovery.
4. Health and safety education is another branch of science that gives knowledge about personal health and safety education. The students show a lot of interest to know the meaning, principles, components of personal and community hygiene. By understanding communicable diseases, the students

are able to lead a disease free life. As they are involved in regular physical training, safety education plays a dominant role. They also learn to be safe at home, on the play field, inside a gym and in the public. They act as health ambassadors and carry the adage namely “Prevention is better than cure”.

5. All students understood that Gymnastics is the mother of all sports. Hence they learn all gymnastic movements and will teach the same to the children at an early age. The process of transferring the knowledge will definitely help the children to improve sensory motor balance, neuromuscular coordination, muscular agility and joint mobility. They also learn to use different gymnastic apparatus along with the rules to use them efficiently.
6. PO7. The study of the foundation of yoga helps the students to understand the historical background, need and importance. This branch of knowledge helps to know the various limbs of yoga, asanas, pranayama, kriyas and banda.
7. The branch of science namely biomechanics and kinesiology deal with movements of the human body using mechanical principles. The competitive techniques of various games and sports activities demand for perfect movements. In order to enhance sports performance, it is necessary to execute the movements with accurate and appropriate body mechanics. That's why students show a great deal of importance to learn this subject.
8. Methods of physical education deals with appropriate methods to present the scientific inputs effectively. Serious planning is required for teaching various sports techniques effectively. The scientific inputs will reach the students fully when the teacher uses appropriate teaching methods. All the students learn from this branch of science the system of conducting intramural and extramural competitions. This knowledge will widen the scope of the future teacher's professional career.
9. The subject namely “Nutrition” gives scope to the students to understand “healthy diet”. Students also learn the importance of vitamins and minerals.

This knowledge will definitely improve the health of the sports persons, family health and in turn the health of the whole society.

10. The branch of science namely General Theory and Methods of Sports Training (GTMT) imparts scientific knowledge about training of sports persons. The general and specific fitness is the outcome of sports training. The students learn various sports training methodology which could be used to develop all the fitness components and sports performance. Students also find this science to be very useful to prepare short, medium and long term training plans.
11. Another branch of sports science is “Tests and Measurements”. Students understand the meaning and importance of this science. They use this knowledge for anthropometric, physical, physiological, psychological and game specific evaluation of sports persons.
12. The sport science subject namely “Psychology and Sociology” has found a very important place in sports training. Students become familiar with laws of learning, theories of learning and learning curve. Students are also aware of the relationship with others, leadership qualities and their own personality improvement.
13. The understanding of “First aid” along with its meaning, values and uses give the students a broad knowledge to use this technology on and off the field injury management.
14. The practical classes in track and field events help the students to learn the various techniques of performing competitive track and field events. Students who are able to improve their sports specific performance will continue their practice to improve their competitive performance in their specialized events.
15. The knowledge of gymnastics helps the students in the process of transferring the knowledge in a practical way. This will definitely help the children to improve sensory motor balance, neuromuscular coordination, muscular agility and joint mobility.

16. The learning of major games (practical) namely Basketball, Football, Hockey, Kabaddi, Tennis and Volleyball helps to stabilize the fundamental skills by doing drills for development. They can also learn the rules of the games for efficient teaching and officiating.
17. By learning this subject namely care and maintenance, all the students learn the methods to maintain the play fields, playing kits and playing equipments.
18. Unified play day celebration is one of the interesting activities in our curriculum and by which students get an opportunity to guide intellectually disabled persons, to improve their understanding and communicating process so as to help the disabled students to attain individual wholesome development and improve their life skills.
19. Studying and understanding the science of Yoga helps the students to become familiarized with asanas, pranayama, Kriyas, mudras and bandhas. Learning and practicing yoga bring the mind and body together and to lead a whole, healthy and disease free life.
20. The special practical program in our curriculum namely Leadership camp which is conducted regularly in a natural environment away from our campus and that will develop leadership qualities by self-involvement and being friendly with nature.

Programme Specific Outcomes

1. Track and Field: The knowledge of track and field elevates the professional competency.

2. Foundation of physical education: To understand the progressive development of physical education and Olympics.
3. Theories of specialization games: To understand the Rules, their interpretations, basic skills and their drills of basketball, football, hockey, kabaddi, tennis and volleyball.
4. Anatomy and Physiology: Understanding anatomy and physiology helps to learn sports movements correctly and execute them in a perfect way.
5. Health education and safety education: To be aware of diseases and to lead a healthy life.
6. Gymnastics: Learning gymnastics will improve sensory motor balance, neuromuscular coordination, muscular agility and joint mobility.
7. Foundation of Yoga: Yoga focuses on establishing harmony between mind and body, thoughts and actions, restraint and fulfillment and men and nature.
8. Biomechanics and Kinesiology: To execute the sports movements with accurate and appropriate body mechanics.
9. Methods of physical education: To improve the ability to use appropriate teaching methods for effective teaching and to organize sports and games competitions flawlessly.
10. Nutrition: The knowledge of nutrition will definitely improve the health of the sports persons, family health and in turn the health of the whole society.
11. General theory and methods of sports training: All the students learn the various sports training methodology which could be used to develop all the fitness components and sports performance.
Test and measurements: The students use this knowledge for anthropometric, physical, physiological, psychological and game specific evaluation for both sports persons and non-sports persons.
12. Psychology and Sociology: The Students are aware of a balanced mind and body development. They also develop social relationships with others, leadership qualities and their own personality improvement.
13. First Aid: The understanding of “First aid” along with its meaning, values and uses give the students a broad knowledge to use this technology on and off the field injury management. Practical:
14. Track and Field (6 Semesters): Students learn all the techniques to perform all the competitive track and field events along with the international rules.

This helps them to prepare for becoming officials of state, national and international levels.

15. Gymnastics (2 Semesters): Learning gymnastics will improve sensory motor balance, neuromuscular coordination, muscular agility and joint mobility which help them to stabilize other competitive techniques of games and track and field events.
16. Specialization games: To understand the Rules, their interpretations, basic skills and their drills of basketball, football, hockey, kabaddi, tennis and volleyball. The students may become efficient coaches in these games.
17. Unified play day: This event has proved its efficacy in improving social interaction, confidence and self-esteem of special children. A normal child is motivated to team up with a special child and carry out all activities as a joint enterprise. This helps to attain individual development and improve their own lifestyle modifications.
18. Yoga: To become familiarized with asanas, pranayama Kriyas, mudras and bandas. Learning and practicing yoga bring the mind and body together and to lead a whole disease free life.
19. Project sports meet: To get firsthand knowledge about planning and organizing sports meet.
20. Care and Maintenance: To learn the methods to maintain the play field and playing equipment.

COURSE OUTCOMES (CO)

After the completion of the course, the student trainees will be able to:

Foundations of physical education

- CO1.To understand the meaning of physical education
- CO2.Understand the foundation of physical education
- CO3.To know about allied sciences, camping and recreation.
- CO4.To learn the history of Olympics and physical education.

CO5.To know the contribution of various agencies, awards and scholarships.

Track and Field -

CO1.To learn the rules and techniques of Sprint events.

CO2.To learn the rules and techniques of middle distance events.

CO3.To learn the rules and techniques of Long jump.

CO4.To learn the rules and techniques of High jump.

CO5.To learn the rules and techniques of Shot put.

To become familiarized with floor and bar exercises. Specialization Games

(Basketball, Football, Hockey, **Kabaddi, Tennis and Volleyball**)

CO1.To learn the fundamental skills of major games

CO2.To learn the rules of the games for efficient officiating

CO3.To know the various drills for optimum skill development.

To get firsthand knowledge about planning and organizing Project sport meet

CO1.sports meet.Care and maintenance

CO1.To learn the methods to maintain the play fields.

CO2.To learn the methods to maintain the playing equipments.

Theory of specialization game

CO1.To learn the history of basketball, football, hockey, kabaddi, tennis and volleyball.

CO2.To understand layout of play fields and major trophies of basketball, football, hockey, kabaddi, tennis and volleyball.

CO3.To understand the Rules and their interpretations of basketball, football, hockey, kabaddi, tennis and volleyball.

CO4.To learn the Basics skills and their drills of basketball, football, hockey, kabaddi, tennis and volleyball.

CO5.Duties of officials and officiating mechanism of basketball,football, hockey, kabaddi, tennis and volleyball.

Human anatomy and Physiology

CO1.To understand the need and importance of Anatomy and Physiology.

- CO2.To understand the Classification and functions of skeleton
- CO3.To understand the structure and function of heart and lungs.
- CO4.To learn the structure and functions of digestive and nervous systems.
- CO5.To get familiarized with different glands and their functions in the body.

The technique of Sprinting, Jumping and Shot putting Gymnastics (Floor exercise, Rhythmic exercise)

- CO1.To learn the fundamentals of major games.Games (Basketball, Football, Hockey, Kabaddi, Tennisand Volleyball)
- CO2.To learn the rules of the games for efficient officiating
- CO3.To know the various drills for optimum skill development.

Unified Play day (UPD)

- CO1.To get an opportunity to guide intellectually disabled persons.
- CO2.To help the intellectually disabled persons to improve their understanding and communicating process.
- CO3.To attain individual whole some development.

Project sport meet

- CO1.To get firsthand knowledge about planning and organizing sports meet.
Care and maintenance
- CO2.To learn the methods to maintain the play fields.
- CO3.To learn the methods to maintain the playing equipment.

Health education

- CO1.To become aware of a positive attitude about health.
- CO2.To acquire the knowledge of safety education.
- CO3.To know about communicable and non-communicable diseases.
- CO4.To learn principles and importance of health education.
- CO5.To learn safety at home, Swimming pool, Gymnasium, play field and use of play equipments.

Track and field

CO1.To know about starting techniques of all track events.

CO2.To learn the rules and their interpretation of 800m, 1500m 3000m, 5000m, 10,000m, marathon and race walking.

CO3.To learn the rules and their interpretations of long jump, triple jump, high jump and pole vault.

CO4.To learn the rules and interpretations of heptathlon and decathlon.

CO5.To know the records of all events in national and international levels.

Yoga (Basic level asanas, Pranayama and Mudras)

CO1.To become familiarized with basic level asanas, pranayama and mudras.

Care and maintenance

CO1.To learn the methods to maintain the play fields.

CO2.To learn the methods to maintain the playing equipments.

Gymnastics

CO1.To learn history, meaning and classifications of gymnastics.

CO2.To learn about artistic gymnastics.

CO3.To understand rhythmic gymnastics.

CO4.To learn rights and duties of gymnasts, judges and coaches.

CO5.To evaluate the degree of difficulty of various exercises and the rules of using equipments.

Foundation of yoga

CO1.To know the need and importance of different types of yoga.

CO2.To understand the eight limbs of yoga.

CO3.To understand the correct procedure of doing asanas

CO4.To understand the correct procedure of doing pranayama.

CO5.To gain knowledge about kriyas.

Specialization Games (Basketball, Football, Hockey, Kabaddi, Tennis and Volleyball)

- CO1.To learn the fundamentals of major games.
- CO2.To learn the rules of the games for efficient officiating
- CO3.To know the various drills for optimum skill development

Nutrition

- CO1.To learn the balanced diet and importance of carbohydrates for various sports and games.
- CO2.To learn the importance and sources of protein.
- CO3.To learn the types, importance and sources of fat.
- CO4.To learn the types, importance and sources of vitamins.
- CO5.To learn the types, importance and sources of minerals.

National service scheme (NSS)

- CO1.To understand the origin and development of NSS.
 - CO2.To learn the administrative set-up of NSS.
 - CO3.To develop personality awareness and improve social service attitude.
- Track and field (Hammer throw, Javelin throw, Pole vault and Hurdles)

General theory and methods of sports training

- CO1.To learn the aim, meaning and principles of sports training.
- CO2.To learn the meaning, types and principles of training load.
- CO3.To learn the types and methods to develop strength and endurance.
- CO4.To learn the types and methods to develop speed, flexibility and coordination abilities.
- CO5.To understand the types of training plans, types of prioritization, techniques, tactics and strategy.

Tests and measurements

- CO1.To learn the meaning, need and importance of tests, measurements and evaluation.
- CO2.To learn the criteria of test selection, classification of tests, rating scales and test administration.
- CO3.To learn motor fitness, cardio vascular, strength and postural tests.
- CO4 To learn SDAT tests.

CO5.To learn and use games skill tests in Basketball, Hockey, Soccer, Volleyball, Badminton and Tennis

Psychology and sociology

CO1.Understand the importance of psychology and sports psychology.

CO2.Understand the theories and laws of learning.

CO3.Importance of perception and motivation.

CO4.Types of anxiety, aggression and personality.

CO5.Role of sociology in physical education and sports

First aid

CO1.To learn the meaning, importance and classification of wound.

CO2.To learn the system of specific injury management namely muscle cramp, fracture, bleeding.

CO3.To learn the meaning and classification of various therapy techniques namely hydrotherapy, thermotherapy and cryotherapy.

Tarakeswar Degree College

Tarakeswar, Hooghly

Department of Economics

Name of the Programme: Economics (Gen.)

Level: U.G.

Three Year (With six semesters) CBCS Degree Programme: B.A. Degree Course

Programme Outcomes

Programme: **B.A. (General)**

CBCS SYSTEM

P.O.-1: Disciplinary Knowledge: To acquire wide proficiency in the realm of social sciences, economics, literature, and humanities, enabling students to possess the necessary sensitivity and discernment to address the challenges of humanity.

P.O.-2: Analytical Ability: To enhance students' ability to analyze, synthesize, and integrate knowledge, and to acquire the proficiency to evaluate the validity of arguments and conclusions.

P.O.-3: Cross-Cultural Competence: To gain familiarity with the social, economic, historical, geographical, political, ideological, and philosophical traditions and perspectives. This will enhance the capacity to efficiently engage and communicate with individuals from various cultural backgrounds.

P.O.-4: Career Outlook: To equip the graduates with the necessary skills to participate in a wide range of competitive examinations or pursue their desired post-graduate program.

P.O.-5: Ethical Value: To possess the capacity to recognize the importance, worth, and applicability of principles and standards of behaviour, ethical dimensions of their own decisions, and evaluation of what is significant in life.

P.O.-6: Self-directed and Lifelong Learning: To develop the skills needed to actively participate in self-directed, continuous, and forward-thinking learning across a diverse range of socioeconomic, political, economic, cultural, and technological landscapes.

PROGRAMME SPECIFIC OUTCOMES (PSOs):

After graduation the student will be able to learn –

PSO 1. The behavioral pattern of different economic agents, advance theoretical issues and their applications.

PSO 2. To expose the basic concepts of microeconomics and macroeconomic theory.

PSO 3. To formally analyze the theory of consumer behaviour , producer behaviour, markets, factor pricing , cost structure and revenue through advanced microeconomic theory .

PSO 4. To familiarize students to the basic concepts and theories of international trade, determinants, and dynamic effects of trade policies.

PSO 5. To make the students understand the functioning of banks , monetary and financial sectors of the economy, role of financial markets and Institutions , budget and balance of payments.

PSO 6. To expose the students to various economic problems and issues related to growth, development, sustainable development, environment with special reference to India.

PSO 7. To acquaint themselves with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspectives.

PSO 8. To facilitate the historical developments in the economic thoughts propounded by different schools.

PSO 9. To acquaint themselves with some basic concepts of environmental economics along with the solution of the environmental problems.

PSO 10. To learn the real and monetary sides of International economics

Tarakeswar Degree College

Tarakeswar, Hooghly
Department of Economics

Course Outcome of Economics (Gen.)
C.B.C.S. Degree Programme: B.A. Degree Course

SI	Semester	Course Code ECOG	Course Name	Course Outcomes (COs) After the successful completion of the course a student will be able -
1.	Sem-I (July to December)	CC 1A	Micro Economics	CO 1. To understand the basic subject matter of Economics CO 2. To understand how the markets work through demand and supply and welfare CO 3. To identify the various determinants of household behaviour CO 4. To enable the students to understand the nature of firm and perfect market structure CO 5. To analyse the imperfect market structure CO 6. To understand the idea of input market
2.	Sem-II (December to July)	CC1B	Macro Economics	CO 1. To understand the basic components of national Income and NI accounting CO 2. To understand the effects on NI due to a change in different macro variables CO 3. To suggest different macroeconomic policies to solve the macro problems of an economy CO 4. To understand the simple Keynesian model in a closed economy CO 5. To know about the classical system of macroeconomics CO 6. To understand the macroeconomic foundations like money demand and money supply. CO 7. To understand the types, impact of inflation CO 8. To acquaint themselves with the external sector
3.	Sem-III (July to December)	CC1C	Development Economics	CO 1. To understand the basic idea of economic development CO 2. To know about the idea of Haorrd – Domar and Solow model of growth. CO 3. To learn about the meaning and measurement of poverty and inequality. CO 4. To get the idea about the political and economical institutions. CO 5. The different forms of foreign investment and its role in economic development.
4.	Sem-III (July to December)	SEC 1	Indian Financial System	CO 1. To get the idea about the money market and capital market. CO 2. To gather the knowledge of central and commercial banks and non-banking financial intermediaries. CO 3. To learn about the functions of Indian stock market.
6.	Sem-IV (December to July)	CC1D	Indian Economics	CO 1. To understand the macroeconomic policies and their impact on Indian economy. CO 2. To get full knowledge about the policies and performance in agriculture.

				CO 3. To analyse the policies and performance in industry. CO 4. To analyse the policies and performance of Indian foreign trade.
7.	Sem-IV (December to July)	SEC II		CO 1. To know the economic census and economic survey. CO 2. Idea about official statistics. CO 3. Familiar with the sources of demographic data and some concept of International statistics.
8.	Sem-V (July to December)	DSE 1A	Basic Statistics	CO 1.To determine the knowledge of meaning and scope of statistics. CO 2. To analyse the frequency distributions, charts and Diagrams. CO 3. . To learn about the measurement of central tendency and dispersion.
9.	Sem-V (July to December)	SEC III	Money and Banking	CO 1. To gather the knowledge of money and banking system. CO 2. To know the idea about financial market, CO 3.To learn about the monetary policy.
10.	Sem-VI (December to July)	DSE 1B	Environmental Economics	CO 1. To know about environmental issues and problems. CO 2. To learn about issues of property right and to design and implement of environmental policy. CO 3. To understand international environmental problems. CO 4. To read the concept, rules and measurement of sustainable development.
11.	Sem-VI (December to July)	SEC-IV	Business Project Proposal	CO 1.To identify the business opportunity in India. CO 2. To setup business plan and business project. CO 3. To evaluate and select a project. CO 4. To learn about project financing.

Department of Education
Tarakeswar Degree College
Course Outcome and Programme Outcome
Three-year B.A (General) Degree course
Under CBCS Semester system

SEM-I	CC-1A	Principles of Education	COURSE Objective: In this course students will read about- 1. To know the principles of education 2. Curriculum and co-curriculum activities 3. Child centric education and play and play way in education 4. Freedom and Discipline COURSE Outcome: After completion of this course students will able to 1. Discuss the meaning, nature, scope, functions and factors of education. 2. Develop an idea about curriculum and co-curriculum 3. Analyze the principles of curriculum construction 5. Explain child centricism in education and its significance 6. Understand the concept of Discipline and Freedom 7. Briefly discuss the need of Discipline and application of discipline in educational institution.
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SEM-II	CC-1B	Educational Psychology	COURSE Objective: In this course students will learn about- 1. To know the Educational psychology 2. Growth and Development 3. Development of personality 4. Theories of Intelligence and test of Intelligence 5. Factor and theories of COURSE
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			COURSE Outcome: After completion of this course students will be able to 1. Understand the Meaning, Nature and Scope of Educational Psychology. 2. Realize the relation between Education and Psychology. 3. Acquire knowledge about stages of development of a child-Infancy, Childhood and Adolescence and their Physical, Intellectual, Emotional and Social aspect of development. Discuss the concept, definition of Personality. 4. Analyse the types and Traits Approaches of Personality. 5. Understand the concept and definition of Intelligence. 6. Discuss the Spearman's Two Factor theory, Thurston's Group Factor theory, and Guilford's theory of Intelligence and their contribution on Education. 7. Understand the Verbal, Non-verbal test of Intelligence and their uses. 8. Understand the Meaning and Nature of COURSE. 9. Discuss and recognize the basic idea of Trial & Error, Classical conditioning and Gestalt theory of COURSE and their contribution on Education.
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SEM-III	CC-1C	Educational Sociology	COURSE Objective: Students will learn about- 1. To know the Educational Sociology. 2. Factors and problems of Social change. 3. Types of Social Stratification. 4. Process and Factor of Socialization. 5. Types and Agencies of Social Control. 6. Various Social Agencies and their educative role.
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			COURSE Outcome: After completion of this course students will able to 1. Understand the Meaning & Concept of Educational Sociology and Sociology Of Education 2. Realize the relationship between Education and Sociology 3. Learn about the concept, nature and Various Factors to influence the Social Change in education. 4. Understand social control's meaning and types and agencies of social control 5. Know about the Role of Family, School, State and Mass media in the society to development. 6. Justify education as a sub-system of society and how other sub systems affect education. 7. Get an idea of social development and role of Education
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	Skill Enhanceme nt Courses (SEC1)	Measurement and Evaluation in Education	COURSE Objective: Students will learn about- 1. Concept and difference of Measurement and Evaluation. 2. Different tools and techniques of Evaluation. 3. Cumulative record card. 4. Meaning and method of Validity and Reliability. 5. Measurement of Central tendency and dispersion. 5. Concept of correlation and co-efficient
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			COURSE Outcome: After completion of this course students will be able to- 1. Understand the difference between Measurement, Assessment and Evaluation. 2. Get a clear vision about the importance of measurement, assessment and evaluation in the context of education. 3. Gather knowledge about why is data driven instruction so effective? 4. Know their progress and they can also measure their improvement in a special field by self testing. 5. Learn about various data analysis techniques such as Graphical representation of data, Frequency Polygon, Histogram, Bar Diagram, Pie chart and Ogive. 6. Know about various characteristics of a good Test.
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SEM-IV	CC-ID	History of Education in India	COURSE Objective: 1. Educational activities of Missionary in India. 2. Charter Act , Macaulay Minute, Adam Report and Hunter Commission 3. Indian Education Commission , Indian Education Commission, National Education Movement 4. Sadler Commission , Hartog Committee Report , Wardha Scheme , The Sargent Plan 5. Radhakrishnan Commission with special reference to rural university, Mudaliar Commission, Kothari Commission, National Education Policy and Revised Educational Policy
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			COURSE Outcome: After completion of this course students will able to- 1. Know about the educational activities of missionaries in education. 2. Understand the Charter Act-1813 and Macaulay's Minute. 3. Understand the concept about Recommendations of Wood Despatch (1854). 4. Know about the Hunter Commission (1882). 4. Understand the National Education Movement in East India British Period. 5. Know about the Sadler Commission (1917) and Sargent Plan (1944). 6. Understand National Education Policy-1986 and Revised Education Policy of 1992. 7. Know about the Recommendations of University Education Commission (1948-49), Mudaliar commission (1952-53) and Kothari Commission (1964-66).
	SEC-II	Value Education	COURSE Objective: Students will learn about- 1. Concept and need of value education 2. Concept of Morality and role of parents to Facilitate Children's Moral Development 3. Concept of Social Values. 4. Values in Peace Education. 5. Values and Human Rights Education.

			COURSE Outcome: After completion of this course students will be able to- 1. Full development of child's personality in its physical, mental, emotional and spiritual aspects. 2. Inculcation of good manners and of responsible and cooperative citizenship. 3. Developing respect for the dignity of individual and society. 4. Developing a democratic way of thinking and living. 5. Developing tolerance towards and understanding of different religious faiths.
SEM-V	DSE-IA	Great Educators	COURSE Objective: Students will learn about- 1. Contribution of Indian thinker in education-swami Vivekananda, Sri Aurobindo, Rabindranath Tagore, Mahatma Gandhi etc. 2. Contribution of Western thinker in education-Jean Jacques Rousseau, F.W. August Froebel, John Dewey, Madam Maria Montessori etc.

			COURSE Outcome: After completion of this course students will be able to- 1. Understand philosophical life of Vivekananda and his contribution on Method of Instruction, Education Activities, and Curriculum & Women Education. 2. Develop ideas about the Philosophical life of Aurobindo and his contribution on Method of Instruction, Education Activities, Curriculum & concept of Teacher. 3. Understand Educational Philosophy of Rabindranath Tagore and his contribution on Method of Instruction, Education Activities, and Curriculum & Santiniketan School. 4. Develop Ideas about philosophical life of Mahatma Gandhi and his contribution on Method of Instruction, Education Activities, and Curriculum & Basic Education. 5. Understand Educational Philosophy of Jean Jacques Rousseau and his ideas on positive Education & Negative Education, and Child Centric Education. 6. Know about the Philosophical life of F.W. August Froebel and his contribution on Curriculum, Method of Instructions & Kindergarten. 7. Understand Philosophical life of John Dewey and his contribution on Aims, Curriculum and Instruction of Education, and concept of Teacher & Project Method.
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			8. Understand Philosophical life of Madam Maria Montessori and his contribution on Aims, Curriculum of Instruction of Education, and concept of Teacher.
	SEC-III	Computer Application in Education-I	COURSE Objective: Students will learn about- 1. MS Word, MS Power Point, MS Excel. 2. Concepts of information and communication technology and Universal access VS Digital Divide - issues and initiative. 3. Aims and objectives of National Policy on Information and Communication Technology (ICT) in School Education in India. 4. Components and Objectives of NMEICT, Spoken Tutorials, GyanDarshan, Gyanvani, Sakshat Portal, e GyanKosh. 5. Components and objectives of Virtual laboratory and haptic technology.

			COURSE Outcome: After completion of this course students will be able to 1. Develop an understanding of the concept of Computer and its uses. 2. Understand the concept of MS Word, MS Power Point, and MS Excel. 3. Develop an understanding of the concept of ICT and its components. 4. Acquire knowledge about the challenges of Integration of ICT in school. 5. Discuss the aims, objectives of National Policy on ICT in school education 6. Describe the components and objectives of NMEICT. 7. Learn about Spoken Tutorials, Gyan Darshan, GYANVANI, E-Gyan Kosh, Virtual laboratory.
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SEM-VI	DSE-3	Educational Technology	COURSE Objective: Students will learn about- 1. Educational Technology meaning, concept, nature, scope and limitation. 2. Concept, uses and limitation of system approach. 3. Communication: concept, types barriers and significance. 4. Multimedia approach 5. Various teaching aids and their uses in education. 6. Role of computer in education.
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			COURSE Outcome: After completion of this course students will able to 1. Understanding the meaning, nature, scope and limitation of Educational Technology. 2. Discuss the component of Educational Technology (hardware and software). 3. Demonstrate field experience in a working environment where educational technology services and programs are used or developed. 4. Motivate them-selves to self COURSE through some self COURSE instrument like teaching machine and related some technical devices. 5. Apply design-thinking to address issues of social justice within the field of educational technology. 6. Student will create products [radio style audio story and a multimedia screenshot] that demonstrate their skills at multimedia production.
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	SEC-IV	Distance Education	COURSE Objective: Students will learn about- 1. Growth and Development of Distance education. 2. Designing and preparing self-COURSE materials in Distance Education. 3. ICT and their applications in Distance Education. 4. Self – support service in Distance Education. 5. Technical and vocational Programmes through Distance Education. 6. Quality assurance in Distance Education and Role of Distance Education Council.
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			COURSE Outcome: After completion of this course students will be able to 1. Describe the significance, meaning and characteristics of Distance Education. 2. Know about the Growth and Development of Distance Education. 3. Develop the designing and preparing self-COURSE materials in Distance Education. 4. Understand the concept of ICT and their applications in Distance Education. 5. Discuss the Self-support service and Technical and vocational Programmes through Distance Education. 6. Acquire knowledge about the Quality assurance in Distance Education and Role of Distance Education Council in education.
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PROGRAMME OUTCOME OF EDUCATION

The Bachelor of Arts degree is an academically challenging programme. The aim of the Bachelor of is to assist students become highly skilled, versatile, independent thinkers with the research experience, information literacy, communication and interpersonal skills necessary for an advanced professional career or further academic study. It is the basic tool with which countries, communities, and individual can improve their wellbeing. But how do societies make sure that their citizens become knowledgeable? How do we expand from infancy through old age? How do we become skilled at throughout our lives? Education helps to answer these questions and more, by providing a critical analysis of educational theories, policies, and practices that promote the understanding of education and its processes. After completing the course the student will be able to –

1. Students will be able to know the basic concept, nature, major functions and theories of Education.
2. Students are ability to understand the Educational Psychology from childhood to adulthood and various psychological aspects that effect on Teaching - COURSE situation.
3. They have ability to develop an idea of Sociological aspect like social change, Socialization, social control, social stratification and Different agencies of education that utilization on Education.
4. Students will be able to understand the technique of different measuring tools and Technique involved in Measurement and Evaluation.
5. Students are equipped with the fundamental of statistics – how to calculate and use mean, median, mode, Range, Quartile Deviation, standard deviation, Product Moment and Rank difference Method.
6. They have the ability to understand the pre and post Independent historical development of Indian Education through the ages.
7. They have to ability to acquire knowledge different kind of Values, Morality, peace Education and human rights education. That makes him ethical, Judgmental.

8. Students will be able to discuss about the educational contribution of Swami Vivekananda, Sri Aurobindo, Rabindranath Tagore, Mahatma Gandhi, Jean Jacques Rousseau, F.W. August Froebel, John Dewey, and Madam Maria Montessori.

9. They have ability to understand and effective use of computer with different aspect and ICT.

10. Students have to understand the basic concept, nature, Scope, needs and Limitations of Educational Technology, system approach, Hardware and software approach, communication, multimedia approach with helps them to use in teaching COURSE process.

Programme Outcomes & Course Outcomes

Stream: Science

1. Department of Computer Science
2. Department of Chemistry
3. Department of Physics
4. Department of Mathematics
5. Department of Zoology
6. Department of Botany



Department of Computer Science Tarakeswar Degree College

Program outcomes/program specific outcomes/course outcomes

Department of Computer Science, Tarakeswar Degree College, offers 3 years **undergraduate (honours/General)** courses in Computer Science in accordance to the prescribed **CBCS curriculum of Burdwan University**. Generic course in Computer Science is offered for students of other departments and B.Sc. Program in Computer Science is also offered at the undergraduate level.

This department provides 14 Core Courses (CC papers), 4 Discipline Specific Elective (DSE papers) and 2 Skill Enhancement Course (SEC) for Semester-I to VI undergraduate B.Sc. Honours students. Beside that 4 General Electives (GE papers) also offers to other disciplines.

This department offers 4 Core Courses (CC papers), 2 Discipline Specific Elective (DSE papers) and 4 Skill Enhancement Course (SEC papers) for Semester-I to VI undergraduate B.Sc. General students.

The undergraduate honours/general course in Computer Science is intended to introduce the fundamental aspects of all branches of Computer Science to the students. Students learn about different area of computer science in this three year degree course, which enables them to identify their area of keen interest and hence provides the basic foundation of their higher studies and IT industry. They develop computer laboratory skills, critical thinking and reasoning to address different aspects of computer science.

PROGRAM OUTCOMES POs:

B.Sc (Hons/Gen) Graduates will be able to:

- PO1.** Enable Graduates to develop logics which will help them to create programs using computer languages.
- PO2.** Ensure Graduates with acquired skills and enhanced knowledge will be employable / become entrepreneurs or will pursue higher Education.

- PO3.** Graduates with acquired knowledge of modern software tools will be able to contribute effectively as software engineers.
- PO4.** Graduates will be able to comprehend the related concepts to Computer Science with Allied papers.
- PO5.** Graduates will be imbued with ethical values and social concerns to ensure peaceful society.
- PO6.** Graduates will be able to comprehend the basic concepts learnt and apply in real life situations with analytical skills.

PROGRAM SPECIFIC OBJECTIVES (PSOs) :

- PSO1.** To analyze, design and develop computing solutions by applying foundational concepts of Computer Science.
- PSO2.** To apply software engineering principles and practices for developing quality software for scientific and business applications.
- PSO3.** To adapt to emerging Information and Communication Technologies (ICT) to innovate ideas and solutions to existing/novel problems.

Course Outcomes of UG Honours Course

Semester-I

Course code	Course Title	Course Outcomes
CC-1	Programming Fundamentals using C / C++	A student should be able to use: CO1. The basic concepts of programming structure and its syntax CO2. The various types of arrays, its structure, types of Functions and String handling mechanisms. CO3. The Concepts of structures, Union, Pointers and File handling in C/C++. CO4. Standard input/output and file input/output operations. CO5. Object oriented programming in C++ to solve basic engineering problems.
CC-2	Computer System Architecture	A student should be able to: CO1. Demonstrate computer architecture concepts related to design of modern processors, memories and I/Os.

		CO2. Analyze the performance of commercially available computers. CO3. To develop logic for assembly language programming
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Semester-II

Course code	Course Title	Course Outcomes
CC-3	Programming in Java	A student should be able to: CO1. Identify classes, objects, members of a class and relationships among them needed for a specific problem. CO2. Write Java application programs using OOP principles and proper program structuring. CO3. Demonstrate the concepts of polymorphism and inheritance. CO4. Write Java programs to implement error handling techniques using exception handling.
CC-4	Discrete Structure	A student should be able to: CO1. Write an argument using logical notation and determine if the argument is or is not valid. CO2. Demonstrate the ability to write and evaluate a proof or outline the basic structure of and give examples of each proof technique described. CO3. Understand the basic principles of sets and operations in sets. CO4. Apply counting principles to determine probabilities. CO5. Model problems in Computer Science using graphs and trees.

Semester-III

Course code	Course Title	Course Outcomes
CC-5	Data Structure	A student should be able to: CO1. Impart the basic concepts of data structures and algorithms CO2. Understand basic concepts about stacks, queues, lists, trees and graphs

		CO3. Understanding about writing algorithms and step by step approach in solving problems with the help of fundamental data structures CO4. Compare alternative implementations of data structures with respect to performance. CO5. Discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing.
CC-6	Operating Systems	A student should be able to: CO1. Describe and explain the fundamental components of a computer operating system. CO2. Define, restate, discuss, and explain the policies for scheduling, deadlocks, memory management, synchronization, system calls, and file systems. CO3. Describe and extrapolate the interactions among the various components of computing systems. CO4. Design and construct the following OS components: System calls, Schedulers, Memory management systems, Virtual Memory and Paging systems.
CC-7	Computer Networks	A student should be able to: CO1. Explain the local, metropolitan and wide area networks using the Standard OSI reference model. CO2. Discussion of various networking technologies. CO3. Evaluate the challenges in building networks and solutions to those. CO4. Explain the analysis of different types of protocol and the comparison of number of data link, network and transport layer protocols.
SEC-1	Programming in Python	A student should be able to: CO1. Explain basic principles of Python programming language. CO2. Implement object oriented concepts. CO3. Implement database and GUI applications.

Semester-IV

Course code	Course Title	Course Outcomes
CC-8	Design and Analysis of Algorithms	A student should be able to : CO1. Analyze the running time and space complexity of algorithms.

		CO2. Describe, apply and analyze the complexity of divide and conquer , greedy, dynamic programming strategy. CO3. Able to Describe the classes P, NP, and NPComplete and be able to prove that a certain problem is NP-Complete. CO4. Able to analyze String matching algorithms.
CC-9	Software Engineering	A student should be able to: CO1. Understand basic SW engineering methods and practices, and their appropriate application. CO2. Role of project management including planning, scheduling and, risk management. CO3. Discuss data models, object models, context models and behavioural models. CO4. Understand of implementation issues such as modularity and coding standards. CO5. Understand to verification and validation including static analysis, and reviews. CO6. Describe software measurement and software risks.
CC-10	Database Management System	A student should be able to: CO1. Describe the fundamental elements of relational database management systems. CO2. Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL. CO3. Design ER-models to represent simple database application scenarios. CO4. Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data. CO5. Improve the database design by normalization. CO6. Familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B tree, and hashing.
SEC-2	UNIX / Linux Programming	A student should be able to: CO1. Understanding the basic set of commands and utilities in Linux/UNIX systems. CO2. To learn to develop software for Linux/UNIX systems. CO3. To learn the important Linux/UNIX library functions and system calls. CO4. To understand the inner workings of UNIX-like operating systems.

		CO5. To obtain a foundation for an advanced course in operating systems.
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Semester-V

Course code	Course Title	Course Outcomes
CC-11	Internet Technologies	A student should be able to: CO1. Analyze a web page and identify its elements and attributes. CO2. Create web pages using XHTML and Cascading Style Sheets. CO3. Build dynamic web pages using JavaScript (Client side programming). CO4. Create XML documents and Schemas.
CC-12	Theory of Computation	A student should be able to: CO1. Explain the basic concepts of finite automata and regular expressions. CO2. Describe the types of grammar and derivation tree. CO3. Test the equivalence of pushdown automata and CFL. CO4. Develop a computational model using Turing machine for the given problem. CO5. Examine the complexity for P and NP completeness for the given problem.
DSE-1	Microprocessors	Students are able to: CO1. Recall and apply a basic concept of digital fundamentals to Microprocessor based personal computer system. CO2. Identify a detailed s/w & h/w structure of the Microprocessor. CO3. Illustrate how the different peripherals (8255, 8253 etc.) are interfaced with Microprocessor. CO4. Distinguish and analyze the properties of Microprocessors & Microcontrollers. CO5. Analyze the data transfer information through serial & parallel ports. CO6. Train their practical knowledge through laboratory experiments.
DSE-2	System Programming	Upon completion of this course, students are be able to:

		CO1. To cover the major topics in compiler design with emphasis on solving the problems encountered in designing a compiler regardless of the source language or the target machine CO2. Explore the use of compiler with its phases. CO3. Use of Syntax directed scheme for intermediate code generation. CO4. Construct & use of different compiler tools as LeX, Yacc for code generation & optimization.
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Semester-VI

Course code	Course Title	Course Outcomes
CC-13	Artificial Intelligence	On completion of the course students will be able to: CO1. Understand concept of knowledge representation and predicate logic and transform the real life information in different representation CO2. Understand state space and its searching strategies. CO3. Understand machine learning concepts and range of problems that can be handled by machine learning. CO4. Understand the numerous applications and huge possibilities in the field of AI CO5. To analyze and formalize the problem as a state space, graph, design heuristics CO6. Ability to represent solutions for various real-life problem domains using logic based techniques
CC-14	Computer Graphics	After learning the course the students should be able to: CO1. Explain fundamental concepts within computer graphics such as geometrical transformations, illumination models, removal of hidden surfaces and rendering CO2. Explain the ideas in some fundamental algorithms for computer graphics and to some extent be able to compare and evaluate them CO3. Explain and apply fundamental principles within interaction programming CO4. Explain and understand fundamental concepts within information visualization and scientific visualization.
DSE-3	Soft Computing	Upon completion of the course, the student are expected to :

		CO1. Analyze and integrate various soft computing techniques in order to solve problems effectively and efficiently CO2. Apply fuzzy logic and reasoning to handle uncertainty and solve engineering problems. CO3. Apply neural networks to pattern classification and regression problems. CO4. Apply genetic algorithms to combinatorial optimization problems. CO5. Apply these techniques in applications which involve perception, reasoning and learning.
DSE-4	Project Work / Dissertation	A student should be able to: CO1. Understand programming language concepts, particularly Java and object-oriented concepts or go through research activities. CO2. Plan, analyze, design and implement a software project or gather knowledge over the field of research and design or plan about the proposed work. CO3. Demonstrate the ability to locate and use technical information from multiple sources. CO4. Demonstrate the ability to communicate effectively in speech and writing. CO5. Learn to work as a team and to focus on getting a working project done on time with each student being held accountable for their part of the project. CO6. Learn about and go through the software development cycle with emphasis on different processes - requirements, design, and implementation phases.

Course Outcomes of UG General Courses

Semester-I

Course code	Course Title	Course Outcomes
CC-1A	Problem solving Using Computer	Upon completion of the course, the students will be able to: CO1. Bridge the fundamental concepts of computers with the present level of knowledge of the students. CO2. Explain basic principles of Python programming language. CO3. Implement object oriented concepts. CO4. Implement GUI applications.

Semester-II

Course code	Course Title	Course Outcomes
CC-1B	Database Management Systems	On successful completion of the course the students will be able to: CO1. Understand database concepts and structures and query language. CO2. Understand the E R model and relational model. CO3. To design and build a simple database system and demonstrate its competence CO4. Fundamental tasks involved with modeling, designing, and implementing a DBMS.

Semester-III

Course code	Course Title	Course Outcomes
CC-1C	Operating Systems	A student should be able to: CO1. Understands the different services provided by Operating System at different level. CO2. They learn real life applications of Operating System in every field. CO3. Understands the use of different process scheduling algorithm and synchronization techniques to avoid deadlock.

		CO4. They will learn different memory management techniques like paging, segmentation and demand paging etc. CO5. Demonstrate UNIX commands for file handling and process control..
SEC-1	Office Automation Tools	By learning the course, the students will be able: CO1. To perform documentation. CO2. To perform accounting operations. CO3. To perform presentation skills.

Semester-IV

Course code	Course Title	Course Outcomes
CC-1D	Computer System Architecture	Upon completion of this course, the students will be able to: CO1. Describe the fundamental organisation of a computer system. CO2. Explain the functional units of a processor. CO3. Explain addressing modes, instruction formats and program control statements. CO4. Distinguish the organization of various parts of a system memory hierarchy. CO5. Exemplify in a better way the I/O and memory organization.
SEC-2	HTML Programming	Upon completion of the course students will be able to: CO1. Use knowledge of HTML and CSS code and an HTML editor to create personal and/or business websites following current professional and/or industry standards. CO2. Use critical thinking skills to design and create websites.

Semester-V

Course code	Course Title	Course Outcomes
DSE-1A	Software Engineering	A student should be able to: CO1. Students will be able to decompose the given project in various phases of a lifecycle. CO2. Students will be able to choose appropriate process model depending on the user requirements. CO3. Students will be able perform various life cycle activities like Analysis, Design, Implementation, Testing and Maintenance.

		CO4. Students will be able to know various processes used in all the phases of the product. CO5. Students can apply the knowledge, techniques, and skills in the development of a software product.
SEC-3	MySQL/PL-SQL	At the end of the course the students are able to: CO1. Apply the basic concepts of Database Systems and Applications. CO2. Use the basics of SQL and construct queries using MySQL in database creation and interaction. CO3. Design a commercial relational database system (MySQL) by writing SQL using the system. CO4. Analyze and Select storage and recovery techniques of database system.

Semester-VI

Course code	Course Title	Course Outcomes
DSE-1B	Computer Networks	A student should be able to: CO1. Recognize the technological trends of Computer Networking. CO2. Discuss the key technological components of the Network. CO3. Evaluate the challenges in building networks and solutions to those.
SEC-4	Programming in Visual Basic	A student should be able to: CO1. Demonstrate fundamental skills in utilizing the tools of a visual environment such as command, menus and toolbars. CO2. Implement SDI and MDI applications using forms, dialogs, and other types of GUI components. CO3. Implement the methods and techniques to develop projects. CO4. Learn the advantages of Controls in VB. CO5. Design and develop the event- driven applications using Visual Basic framework.

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Tarakeswar Degree College

Department of Chemistry

B.Sc. (Hons.) Chemistry

Programme Outcomes and Course Outcomes of B.Sc. (Hons.) Chemistry (CBCS)

Programme Outcome:

PO 01: Learning Assimilation: To utilize current chemical research methods and context awareness to solve difficulties

PO 02: Decisive Thinking: To cultivate a strong foundation in the principles and applications of modern scientific and chemical theories, including those in analytical, inorganic, organic, and physical chemistry.

PO 03: Chemistry Knowledge: To understand the significance of the various elements in the periodic table, coordination chemistry, molecule structure, compound attributes, and structural analysis of complexes using theories and tools.

PO 04: Knowledge of Elementary Chemistry: To be familiar with the history of organic reaction mechanisms, intricate chemical structures, instrumental methods of chemical analysis, and molecular rearrangements and separation methods.

PO 05: Analytical Ability: To possess the capacity to plan, execute, accurately record, and assess the outcomes of scientific experiments.

PO 06: Professional development: To be able to interpret and apply data from instrumental chemical studies, as well as comprehend theoretical principles of instruments that are frequently employed in most branches of chemistry following completion of graduation in Chemistry

PO 07: Environment and Sustainability: Find out how to make chemical reactions more environmentally friendly for sustainable development.

PO 08: Usage of Sophisticated Tools: Learn to use contemporary chemical apparatus, models, Chem-draw, ISIS draw, C-Program, diagrams, and devices etc.

PO 09: Scientific Ethics: To recognize the ecological, historical, philosophical, and ethical implications of the concerns and problems that face chemists.

Programme Specific Outcome:

PSO-1: To cultivate a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic, and Physical Chemistries.

PSO-2 To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.

PSO-3: To Use modern chemical tools, Models, Chem-draw, Charts, and Equipment.

PSO-4: To employ critical thinking and scientific knowledge to design, carry out, record, and analyze the results of chemical reactions.

Ist Semester**CC-1 -Theory**

CO-1	To impart knowledge of bonding through valence bonding theory, molecular orbital theory
CO-2	To understand the electronic displacement of the c-c bond of organic molecules
CO-3	To understand the physical properties of organic compounds
CO-3	To know the concept, types, reaction mechanism, and examples of elimination, free-radical and nucleophilic substitution reactions.
CO-4	To learn stereochemistry of chiral compounds arises due to the presence of stereo-axis; the concept of prostereoisomerism and the concept of conformations of stereoisomers

CC-1(Practical)

CO-1	To impart knowledge on how to identify unique elements in molecules.
CO-2	To disseminate information on the systematic chemical assays used to detect distinct functional groups.
CO-3	To learn qualitative examination of an unidentified single organic sample.
CO-4	To apply those methods in research in future studies, in industry and pharmaceutical worlds.

CC-2 (Theory)

CO-1	To understand the basic concept of the kinetic theory of gases and know how to solve numerical problems related to that topic.
CO-2	To explain the comparative behaviour of real and ideal gas.

CO-3	To acquire basic knowledge regarding thermodynamics, the 1 st law, and its applications i.e. thermochemistry, the concept of heat capacity C_v and C_p , and their relation.
CO-4	To learn the interrelation of heat with a chemical reaction or physical change of state.
CO-5	To understand the concept of the rate of change associated with chemical change, recognize the rate of change and how it can be measured.

CC-2 (Practical)

CO-1	To understand and prepare buffers of different pH values.
CO-2	To determine the rate constant of hydrolysis reaction
CO-3	To learn to collect and analyze chemical kinetics data.
CO-4	To learn to recognize the end point of titration and utilize the data for further chemical analysis.

2nd Semester:

CC-3-Theory

CO- 1	To impart a thorough knowledge of the importance of quantum mechanics in the atomic model through the exposure of wave mechanics in the light of Photoelectric effect, Bohr's Model, De-Broglie's equation, Heisenberg's uncertainty principle as well as Schrodinger equation.
CO- 2	To understand the general periodic properties of elements according to the modern periodic table and get to know the periodic trend of ionization potential, electron affinity, electronegativity, bond radius, penetration and screening effects of the elements
CO-3	To learn the general acid-base character of chemical compounds in the light of the established acid base theories and will understand various chemical reactions from the acid-base backdrop.
CO- 4	To develop a clear understanding of electron transfer reactions that lead to redox reactions as well as the potential required for such types of reactions.
CO- 5	To understand the solubility of ions and the criteria of their precipitation.

CC-3-Practical

CO-1	To analyze the quantitative presence of metal ions by titrimetric method
CO-2	To estimate the quantitative amount of metal ions and basic ions from their mixture.

CC-4-theory

CO-1	To learn and apply various concepts such as stereochemistry
CO-2	To Recognize a stereogenic (chiral) center in a molecular structure and understand various representations of three-dimensional molecules
CO-3	To recognize the Chirality in organic chemistry, stereogenic elements and stereoisomerism, polarimetry, optical activity, stereogenic Elements Stereoisomerism, R,S conformer (L, D of carbohydrates)
CO-4	To be able to predict, identify and distinguish between enantiomers and diastereomers.
CO-4	To gain knowledge on organic reaction mechanism that includes nucleophilic, electrophilic, elimination, and free radical reactions
CO-5	To understand the relative stability of reactive intermediates which include carbocations, carbanions, and free radicals

CC-4 Practical

CO-1	To develop experimental skills like collection, analysis of data, the ability to draw conclusions
CO-2	To impart the knowledge of design syntheses towards specific targets using appropriate reactants and appropriate reaction sequencing.
CO-3	To learn basic techniques for the isolation and purification of synthesized organic molecules
CO-4	To develop experimental skill to determine melting point of organic compound

3rd Semester:

CC-5:

CO-1	To understand the fundamental aspects of three fundamental transport processes, momentum, heat, and mass, including conservation and constitutive equations
CO-2	To appraise the concept of flux and the relation between flux and force will be introduced.
CO-3	To understand ion transport properties in an electrolyte solution
CO-4	To develop the concept of chemical potential and explore how to use a substance's chemical potential to describe the physical properties of mixtures.
CO-5	To understand how the thermodynamic formulation of equilibrium enables one to establish the quantitative effects of changes in the conditions like temperature and pressures
CO-6	To develop an understanding of how classical concepts of 'particle' and 'wave' blend together giving rise to a new set of rules that lead to the formulation of quantum mechanics
CO-7	To learn Schrödinger equations with solutions in simple potentials, including particle in one-dimensional boxes, harmonic oscillators, etc.

CC-5 (Practical)

CO-1	To learn to determine the surface tension and viscosity of liquids.
CO2	To understand the partition coefficient and its determination from an immiscible mixture
CO3	To apply the knowledge of conductometry to study the progress of the reaction
CO-4	To verify dilution law and determine the acidity of a weak acid.

CC-6 (Theory)

CO-1	To understand the common themes running through ionic, covalent, and metallic descriptions of chemical bonding
CO2	To understand how the concept of electronegativity and its variation over the periodic table can be used to rationalize the nature of the bonding in substances
CO3	To appreciate how chemical substances can be described (and classified) in terms of structure and bond type
CO-4	To Distinguish between intramolecular forces and intermolecular forces and discuss their relative strengths
CO-5	To learn radiochemical principles are seen in conjunction with chemical concepts and other fields where radiochemical principles can be utilized.

CC-6 (Practical)

CO-1	To understand the concept that in acid solution practically all oxidizing agents will oxidize iodide ion to iodine quantitatively.
CO2	To understand the reactions involving a change of oxidation number or transfer of electrons among the reacting substances.
CO3	To identify the end point of the iodo/iodimetric titration by using starch as an indicator
CO-4	To apply knowledge of iodo/iodimetric titration to estimate metal like Cu, Cr, Mn etc. in their alloy.

CC-7 (Theory)

CO-1	To understand mechanistic pathways of reactions associated with the addition reactions of alkanes and alkenes with hydrogen, halogens, and water.
CO-2	To impart knowledge on mechanistic aspects and applications of aromatic electrophilic substitution reactions.
CO-3	To impart knowledge on synthesis and reactivity of carbonyl compounds with special thrust on nucleophilic addition reactions' mechanistic and application aspects.
CO-4	To impart knowledge on synthesis and reactivity of carbonyl compounds with special thrust on nucleophilic addition reactions' mechanistic and application aspects.
CO-5	To impart knowledge on synthesis, reactivity, and synthetic applications of carboxylic acids. This unit also aims to teach the fundamental mechanistic aspects of ester hydrolysis.
CO-6	To Explain and predict the chemical behavior and reactivity of organometallic compounds

CO-7 (Practical)

CO-1	To understand the method of determination of the functional group of an unknown compound by using classification tests.
CO-2	To impart knowledge on the preparation of a synthetic derivative.

SEC-1 (IT skill in Chemistry)

CO-1	To understand basic tools of computer science in relation to chemistry
CO-2	To recognize methods of collection, storage, and analysis of data

SEC-1 (Basic Analytical Chemistry)

CO-1	To develop an understanding of the range and uses of analytical methods in chemistry
CO-2	To develop an understanding of the broad role of the chemist in measurement and problem-solving for analytical tasks.

Semester-4**CC-8**

CO-1	To study the process of calculation changes in vapor pressure, melting point, and boiling point of solutions
CO-2	To explain the basic definitions and terms in a phase diagram
CO-3	To explain the application of thermodynamic laws to understand the transportation of ions.
CO-4	To discuss electrode potentials and cell thermodynamics.
CO-5	To learn to calculate the angular momentum of a rigid body rotating about a fixed axis.

CO-6	To learn to apply the technique of separation of variables to solve problems in more than one dimension and to understand the role of degeneracy in the occurrence of electron shell structure in atoms.
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CC-8 (Practical)

CO-1	To understand basic tools of computer science in relation to chemistry
CO-2	To recognize methods of collection, storage, and analysis of data

CC-9

CO-1	To impart a basic understanding of the isomerism in coordination compounds and the classification of ligands.
CO-2	Understand the geometrical and optical isomerism in square planar and octahedral complexes.
CO-3	To develop the knowledge of the different theories to explain the bonding in coordination compounds.
CO-4	To Learn VBT, CFT and MOT of co-ordination complexes
CO-5	Learn spectral transitions of coordination compounds
CO-6	get a basic understanding in the general characteristics of d and f block elements including their ionization potential, redox properties, spectral and magnetic properties. They also will get an idea about the basic coordination chemistry of Lanthanides and Actinides.

CC-10

CO-1	To impart the knowledge on structure, synthesis, reactivity and synthetic applications of organo-nitrogen compounds and organometallic compounds.
CO-2	To impart the knowledge on molecular rearrangement; thorough mechanistic analysis of these rearrangements and their application, substrate scope and limitations in organic synthesis.
CO-3	To impart the knowledge on synthesis, reactivity and synthetic applications of carbocycles and basic heterocycles.
CO-4	To impart the formation, structure, stability and reactivity of various reactive intermediates.

SEC-2

CO-1	Impart the knowledge on basic classes of drugs, their synthesis and mode of action.
CO-2	Impart the knowledge about the sources of impurities and methods to determine the impurities in inorganic/organic drugs and pharmaceuticals
CO-3	Understand various tools and techniques available for the analysis of drugs.

5th Semester

CC-11 Theory

CO-1	impart a basic understanding on the isomerism in coordination compounds along with the classification of ligands.
CO-2	Understand the geometrical and optical isomerism in square planar and octahedral complexes.
CO-3	To develop the knowledge of the different theories to explain the bonding in coordination compounds.
CO-4	Learn VBT, CFT and MOT of co-ordination complexes
CO-5	Learn spectral transitions of coordination compounds
CO-6	get a basic understanding in the general characteristics of d and f block elements including their ionization potential, redox properties, spectral and magnetic properties. They also will get an idea about the basic coordination chemistry of Lanthanides and Actinides.

CC-11-Prac

CO-1	Determine the amount of copper by iodometric process
CO-2	Determine the amount of Zinc by iodometric method
CO-3	Estimate the concentration of iron in a solution by iodometry
CO-4	Evaluate the temporary and permanent hardness of water
CO-5	Analyse the ores and minerals to estimate the amount of different elements present

CC-12 Theo

CO-1	To impart the knowledge on structure, synthesis, reactivity and synthetic applications of organo-nitrogen compounds and organometallic compounds.
CO-2	To impart the knowledge on molecular rearrangement; thorough mechanistic analysis of these rearrangements and their application, substrate scope and limitations in organic synthesis.
CO-3	To impart the knowledge on synthesis, reactivity and synthetic applications of carbocycles and basic heterocycles.
CO-4	To impart the formation, structure, stability and reactivity of various reactive intermediates.

CC-12 Prac

CO-1	To impart the knowledge on Chromatographic separation of mixtures of organic compounds.
CO-2	To impart the knowledge on structure elucidation using ^1H NMR spectra of the synthesized compounds by their relative δ values and splitting pattern.
CO-3	To impart the knowledge on structure elucidation of synthesized compounds using FT-IR spectra.
CO-4	To apply those methods in research in future studies, in industry and pharmaceutical worlds.

DSE-1

CO-1	Study the quantum mechanics to explain phenomenon this cannot be explained using classical mechanics.
CO-2	Interpret the wavefunctions in by calculating probability in a region, expectation values and matrix elements of Hermitian operators corresponding to physical observables.
CO-3	Learn the explanation of phase diagram and its application.
CO-4	Apprise phase equilibria can be described mathematically and which phenomena may occur if different phases (vapor, liquid, solid) coexist in equilibrium.
CO-5	Understand basic tools of computer science in relation with chemistry
CO-6	Recognize methods of collection, storage and analysis of data
CO-7	Acquire basic knowledge how atoms and molecules absorb and emit light and how this process can be affected by magnetic and electric fields

DSE-2

CO-1	To interpret the sources of random errors and effects of random errors on analytical results.
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CO-2	To define the different gravimetric methods.
CO-3	To learn to interpret aqueous solution chemistry
CO-4	To solve the problems related to ion separation by control of the concentration of the precipitating reagents.
CO-5	Understand basic tools of computer science in relation with chemistry

DSE-2 Prac

CO-1	To learn to use advanced analytical instruments
CO-2	To understand the underlying chemical and physical of instrumental methods of analysis, including electronic and vibrational spectroscopy, reaction kinetics, chemical separation methods, and mass spectrometry
CO-3	To learn the skills of doing micro level analysis

Semester VI:

CC-13 (Theo)

CO- 1	To apply the basic principles in inorganic and general chemistry to interdisciplinary topics in the field of bioinorganic chemistry.
CO- 2	To describe the main roles of metal ions in biological processes, and identify the chemical properties that are required to each particular function
CO- 3	To describe the different metal-activation sites in enzymes that are involved in the activation of oxygen
CO- 4	To define the nomenclature, electronic structure, properties of transition-metal compounds.
CO- 5	To identify the basic fundamental reactions in organometallic chemistry

CC-13 (Prac)

CO- 1	To demonstrate basic laboratory technique of titration and analysis
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CO- 2	To develop the intellectual and psychomotor skills of the students by imparting knowledge in qualitative analysis of Inorganic compounds
CO- 3	To examine the quantitative estimation of inorganic compounds through volumetric techniques.

CC-14 (Theo)

CO- 1	To recognize spectroscopy in microwave, Rotational spectra of rigid diatomic molecules, selection rules, interaction of spectral lines
CO- 2	To understand the study of Vibrating diatomic molecule, energy levels of a diatomic molecule, simple harmonic and anharmonic oscillator, Scattering of light and Raman Spectrum. rotational and vibrational Raman Spectra
CO- 3	To understand concepts of Nuclear and Radiation Chemistry. Applications of Radioisotopes
CO- 4	To explain theory and practice of common photochemical and photophysical methods
CO- 5	To Understand difference between thermal and photochemical reactions
CO-6	To define and explain surface- and interfacial phenomena

CC-14 (Prac)

CO- 1	To understand the property of liquid state, the vapour pressure, the surface tension, viscosity
CO- 2	To learn to correlate the property of surface tension with different natural phenomena
CO- 3	To understand the definition of viscosity, and describe how viscosity can be measured

DSE-3 (Theo)

CO- 1	Understand the functional role of the field of green chemistry.
CO- 2	Understand the 12 working principle of green chemistry
CO- 3	Understand several real world examples where organizations used green chemistry to improve the sustainability performance of their products.
CO- 4	Appreciate about how the practice of green chemistry enhances competitiveness, innovation and faster time to market.
CO- 5	Know about the various analytical green methods

DSE-3 (Prac)

CO1	Estimate reactants and reaction mechanism to promote atom economy.
CO2	Learn about the bio-catalytic reactions
CO3	Explain the utility of synthesis in eco-friendly solvent
CO4	Maximize the application of alternate source of energy

DSE-4 (Theo)

CO- 1	Learn a thorough knowledge about the industrial inorganic materials.
CO- 2	Understand the roles of inorganic materials for industrial importance.
CO- 3	Learn about the occurrence, preparation and use of industrially important inorganic substances and materials.
CO- 4	Understand the inorganic processes
CO- 5	Develop awareness on the contributions of chemistry to society.

DSE-4 (Prac)

CO- 1	Learn a thorough knowledge of analysis of inorganic materials used in industry
CO- 2	Analyse ore and alloy samples
CO- 3	Learn about the electroplating process on hand
CO- 4	Analyse cements, fertilizers, etc.
CO- 5	Design inorganic materials of industrial importance

Department of Chemistry
Tarakeswar Degree College
Course Outcomes
for the
Syllabus of Chemistry (General) for
SEM-I to SEM-VI under CBCS
(The University of Burdwan)

IST SEMESTER

Semester 1: Discipline 1 (Chemistry): CC-1A (Theo)

Course Title: **Atomic Structure, Chemical Periodicity, Acids and Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons**

1. To introduce of quantum mechanical model of the atom, quantum numbers, electronic configuration, radial and angular distribution curves and shapes of various orbitals
2. To comprehend the concept and periodic trends in atomic radii, ionic radii, ionization energy and electron affinity of elements
3. To understand the basics of Acids and Bases and calculate the pH of various acidic and Basic solutions
4. To identify an oxidation – reduction (redox) reaction based on changes in oxidation numbers across the chemical change.

Organic Chemistry Section

1. To understand nucleophile and electrophile groups and their properties.
2. To predict the hybridization, electron geometry, and approximate bond angles relative to atoms in a molecule
3. To associate different bond types of carbon and its hybrid orbitals.
4. To evaluate effects of atomic properties on acidity and basicity.
5. To interpret reactivity of alkane, alkene and alkyne.
6. To design reactions of aliphatic hydrocarbons.

Discipline 1 (Chemistry): CC-1A (Prac) 2 Credits Course Title: Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons

Course Outcomes:

1. To learn the calibration and use of apparatus
2. To prepare solutions of titrants of different Molarity/Normality
3. To learn the principles of acid-base titrations and redox titrations
4. To understand various common indicators and their selection criterion during titration
5. To develop an understanding on techniques like crystallization, melting point determination, boiling point determination along with the hands-on experience.
6. To gain better understanding of the organic functional groups and their reactivity

2ND SEMESTER

Discipline 1 (Chemistry): CC-1B (Theo) 4 Credits Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements

Course Outcome:

1. To explain gas pressure, temperature, and the distribution of molecular speeds in terms of kinetic theory
2. To learn to calculate the most probable speed, the average speed and the root mean square speed of the molecules of a gas
3. To acquire knowledge about - Theories and laws of real gases, liquid state, the various crystalline structures and their defects and colloids and their properties.
4. To understand the concept of rate of change associated with chemical change, recognizing that the rate of change and how it can be measured.
5. To explain different types of bonds formed by the atoms [differentiate between ionic and covalent bonds.]
6. To describe the nature of the bonding in molecular compounds.
7. Explain the trends in physical and chemical properties of p block elements and anomalies there in.

Discipline 1 (Chemistry): CC-1B (Practical) 2 Credits Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements

1. To determine the Surface tension of Unknown Liquids using Stalagmometer
2. To determine the Viscosity of Unknown Liquids using Viscometer
3. To acquire skills in handling and measurement of reaction rate related data.
4. To investigate the systematic analysis of anions and cations within a mixture of inorganic salts.

3RD SEMESTER

Discipline 1 (Chemistry): CC-1C (Theo) 4 Credits Course Title: Chemical energetic, equilibria, organic chemistry

Course Outcomes:

1. To apply the concepts of thermodynamics, enthalpy, entropy, and free energy to predict the spontaneity and direction of chemical reactions.
2. To comprehend the unique reactivity and properties of aromatic hydrocarbons and organometallic compounds.
3. To identify and classify different types of alcohols and aldehydes based on their functional groups and reactivity.

Course Outcomes (Practical)

1. To be able to calibrate and operate a pH meter following proper calibration and thereafter, to accurately determine pH of various solutions.
2. To gain hands-on experience in preparing buffer solutions using different techniques.
3. To master the tricks to identify unknown organic compounds

SEC-1 : Analytical Clinical Biochemistry

Course Outcomes: (Theory)

1. To gain mastery in identifying and analyzing key biomolecules like carbohydrates, proteins, and DNA structures.
2. To understand the intricate world of enzymes, their mechanisms, and their regulation.
3. To become proficient in interpreting blood and urine analyses as powerful diagnostic tools.

4TH SEMESTER

Discipline 1 (Chemistry): CC-1D (Theo) 4 Credits Course Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry

Course Outcomes:

1. To gain a deep understanding of solutions, phase equilibria, and their principles
2. To predict the behavior of mixtures, interpret phase diagrams, and apply thermodynamic concepts to analyze chemical systems
3. To apply acquired knowledge of solutions, equilibria, and electrochemistry to solve practical problems in environmental clean-up, material science, and chemical sensing.
4. To analyze the environmental and societal implications of chemical reactions and industrial processes.

Discipline 1 (Chemistry): CC-1D (Prac)

1. To learn experimental techniques for analyzing chemical equilibria and ionic behavior.
2. To gain hands-on experience in applying principles of distribution law, conductance, and potentiometry through diverse practical exercises.
3. To gain hands-on experience in determining water hardness using titrimetric methods.
4. To develop a deep understanding of the role of catalysts in chemical reactions and apply this knowledge to optimize reaction conditions.
5. To develop critical thinking skills in evaluating the reliability and limitations of colorimetric analyses, and effectively communicate results through graphical representation and written reports, emphasizing the importance of precision in quantitative studies.

Course Code: SEC-2 2 Credits Course Title: Pharmaceuticals Chemistry

Course Outcome:

1. To understand the relationship between chemical structure and pharmacological activity of drugs.
2. To apply principles of medicinal chemistry to predict drug targets, design potential drug candidates, and analyze the influence of molecular modifications on therapeutic efficacy and side effects.

5TH SEMESTER

Course Code: SEC-3: Course Title: Basics & Application of Computer in Chemistry

Course Outcomes:

1. To gain a solid foundation in the fundamental principles of computer applications in chemistry.
2. To be proficient in using software tools commonly employed in the field of chemistry.
3. To equip students with the skills to integrate computer techniques seamlessly into experimental design and analysis in the field of chemistry.

Discipline 1 (Chemistry): DSE-1A (Theo) Course Title: Transition Metal & Coordination Chemistry, Analytical and Industrial Chemistry.

Course Outcomes:

1. To gain a deep understanding of the electronic structure, bonding theories (VBT, CFT, LFT), and reactivity of transition metals.

2. To be able to predict and explain the formation, properties, and isomerism of coordination complexes, applying this knowledge to diverse areas.
3. To understand the concept of error in measurements, its various sources (systematic, random), and methods for calculating and propagating errors.
4. To understand the principles and technologies used in various industrial processes like petrochemical refining, polymer synthesis, fertilizer, and cement etc.

Discipline 1 (Chemistry): DSE-1A (Prac.)

Course Title: Transition Metal & Coordination Chemistry, Analytical and Industrial Chemistry.

1. To gain strong proficiency in both gravimetric and complexometric methods for accurately determining the concentration of metal ions in various samples.
2. To be able to design and execute appropriate procedures, weigh precipitates with precision, calculate analytical results using stoichiometry and calibration curves, and analyze the sources of potential errors.
3. To calculate the percentage of available oxygen in pyrolusite samples from analytical data and interpret the results in the context of industrial standards and pyrolusite quality.

6TH SEMESTER

Course Code: SEC-4 Course Title: Polymer Chemistry

Course Outcomes:

1. **To** understand of the principles governing the structure and properties of polymers.
2. **To** develop proficiency in relating polymer structure to properties, enabling them to make informed decisions in designing polymers for specific applications.
3. **To** be able to assess and propose solutions to real-world challenges using their knowledge of polymer chemistry.

Discipline 1 (Chemistry): DSE-1B (Theo)

Course Title: Functional Group Organic Chemistry and Industrial Chemistry

Course Outcomes:

1. To understand the structure, reactivity, and synthesis of major functional groups covered, including carboxylic acids and their derivatives, amines and diazonium salts, as well as amino acids and carbohydrates.
2. To be able to predict and rationalize the reactions associated with these functional groups, considering both their chemical and stereochemical aspects.

3. To develop the ability to design and execute synthetic routes for the preparation of compounds containing carboxylic acids and derivatives, amines, diazonium salts, amino acids, and carbohydrates.
4. To gain in-depth knowledge of the components of paints and varnishes, including pigments, binders, solvents, polymers and additives etc.
5. To be able to analyze the factors influencing dye performance, such as lightfastness, wash fastness, and compatibility with various textiles and substrates.

Discipline 1 (Chemistry): DSE-1B (Prac)

Course Title: Functional Group Organic Chemistry and Industrial Chemistry Organic Chemistry

1. To demonstrate proficiency in essential laboratory techniques related to organic synthesis.
2. To develop hands-on skills in techniques such as nitration of aromatic compounds, condensation reactions, hydrolysis of amides, acetylation of aromatic amines, and benzylation of aromatic amines.
3. To critically analyze experimental results and troubleshoot common issues encountered during the synthesis processes.

DEPARTMENT OF PHYSICS (GEN.)

TARAKESWAR DEGREE COLLEGE

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO 1: Gain the knowledge of Physics through theory and practical.

PSO 2: Understand good laboratory practices and safety.

PSO 3: Produce interest of higher studies like M.Sc. physics among the undergraduate student which lead to research in the subject of Physics.

PSO 4: Develop research oriented skills and motivate the student to prepare scientific model.

PSO 5: Make aware and handle the sophisticated instruments/equipment in scientific community.

PSO 6: Plan, execute, and report the results of a complex extended experiment or investigation, using appropriate methods to analyze data and to evaluate the level of its uncertainty.

PSO 7: Integrate and apply these skills to study different branches.

PSO 8: Willingness to take up responsibility in study and work, confidence in his/her capabilities, capacity to work effectively in a team, motivation for learning and experimentation.

PSO 9: Ability to identify, formulate, and solve problems in physics.

COURSE OUTCOMES

SEMESTER-I

COURSE: MECHANICS

After successfully completing this course, the student will be able to:

CO1: Solve ordinary differential equations of second order and some vector problems that are common in the physical sciences.

CO2: Demonstrate an intermediate knowledge of Newton's Laws and the equations of motion of some systems.

CO3: Understanding with central force and idea about various satellite systems in Earth's gravitational field.

CO4: Apply the concepts of elasticity to real-world problems.

CO5: Explain the fundamental principles of the special theory of relativity.

CO6: Understand rigorously all theory by all practical.

SEMESTER-II

COURSE: ELECTRICITY AND MAGNETISM

After successfully completing this course, the student will be able to:

CO1: Define the basic terms such as electric field, electric potential, magnetic intensity, magnetic induction, magnetic susceptibility, and electric and magnetic flux.

CO2: Solve numerical problems using Coulomb's Law, Gauss's law, Biot-Savart's law, Ampere's circuital law, and Faraday's law.

CO3: Derive the relation between three magnetic vectors and compare different types of magnetic material.

CO4: Explain the concept of various types of capacitors.

CO5: Understand the Maxwell's equations and electromagnetic waves.

CO6: Understand rigorously all theory by all practical.

SEMESTER-III

COURSE: THERMAL PHYSICS AND STATISTICAL MECHANICS

After successfully completing this course, the student will be able to:

CO1: Define laws of thermodynamics, entropy, thermodynamic processes, etc.

CO2: Describe and derive expressions of Heat engine & Carnot engine, entropy, latent heat equation, and various thermodynamic potentials.

CO3: Explain the Maxwell's distribution law of gas particles, concept of equipartition of energy, and transport phenomena of gases.

CO4: Derive the Planck's law, Wien's distribution law, Rayleigh-Jeans Law, Stefan-Boltzmann Law, and Wien's displacement law for Black body radiation.

CO5: Understand the concept of phase space, macro & micro state and also able to explain & compare all three types of statistics.

CO6: Understand rigorously all theory by all practical.

COURSE: RENEWABLE ENERGY AND ENERGY HARVESTING

After successfully completing this course, the student will be able to:

CO1: Understand the Fossil fuels and about the alternate sources of energy.

CO2: Explain solar energy, its uses and describe solar cell and photovoltaic cell.

CO3: Explain and application of various types of renewable energy sources as wind energy, solar energy, ocean energy, geothermal energy, and hydro energy.

CO4: Understand the piezoelectric and electromagnetic energy harvesting.

CO6: Understand rigorously all theory by all demonstration.

SEMESTER-V

COURSE: ELEMENTS OF MODERN PHYSICS

After successfully completing this course, the student will be able to:

CO1: Explain the Plank's constant, photo electric effect and Compton scattering and also describe the wave particle duality by Davisson-Germer and double slit experiment.

CO2: Describe the Rutherford and Bohr's atomic model and from it define the energy spectra of hydrogen atom and also describe the uncertainty principle by thought experiment.

CO3: Define the Schrodinger wave equation for non-relativistic particles its application on one dimensional box and understand about the momentum operator, energy operator, Eigen value, Eigen function and also about the normalization of wave function.

CO4: Describe the quantum mechanical scattering and tunneling across various potential barriers.

CO5: Understanding about the atomic nucleus its relation with atomic weight also describes the nuclear forces and binding energy from semi-empirical mass formula.

CO6: Define the various type of radioactive decay, law of decay, fission and fusion, and about nuclear reactor.

CO7: Understand rigorously all theory by all practical.

COURSE: NUCLEAR&PARTICLEPHYSICS

After successfully completing this course, the student will be able to:

CO1: Describe the general properties of nuclei.

CO2: Understanding about the various existing nuclear models like liquid drop model, Fermi gas model and shell model.

CO3: Define the three type of radioactive decay i.e., alpha, beta and gamma decay and also describe the nuclear reaction.

CO4: Explain the interaction of nuclear radiation with matter and also describe the various type of detector for nuclear radiation i.e., gas detectors, scintillation detectors and semiconductor detectors.

CO5: know the particle accelerator facility available in India and also describe the basic particle physics.

COURSE: COMPUTATIONAL PHYSICS

After successfully completing this course, the student will be able to:

CO1: Use of computational methods to solve physical problems.

CO2: Use of various computer languages like FORTRAN and Linux.

CO3: Control of various statements and understanding of introductory level LaTeX and its uses.

CO4: Understand rigorously all theory by all hands-on exercises.

SEMESTER-VI

COURSE: QUANTUM MECHANICS

After successfully completing this course, the student will be able to:

CO1: Describe time-dependent and independent Schrödinger equations for non-relativistic particles and their applications. Understand the momentum operator, energy operator, Eigen values, Eigen functions, and normalization of wave functions.

CO2: Define bound states in arbitrary potentials like square well potential and simple harmonic oscillator.

CO3: Apply quantum theory to hydrogen-like atoms using the Frobenius method. Understand orbital angular momentum quantum numbers.

CO4: Understand electron angular momentum, spin, spin angular momentum, spin magnetic moment, Zeeman effect, gyromagnetic ratio, and Bohr magneton.

CO5: Describe Pauli's Exclusion Principle, total angular momentum, and the vector model of spin-orbit coupling.

CO6: Understand rigorously all theory by all practical.

COURSE: DIGITAL AND ANALOG CIRCUITS AND INSTRUMENTATION

After successfully completing this course, the student will be able to:

CO1: Use logic circuits and Boolean algebra, and understand binary numbers.

CO2: Understand various types of semiconductor diodes and bipolar junction transistors.

CO3: Understand operational amplifiers and sinusoidal oscillators.

CO4: Understand various measuring instruments like CRO, Power Supply, Rectifiers, capacitor filter, Zener Diode, and Timer IC.

CO5: Understand rigorously all theory by all practical.

COURSE: ELECTRICAL CIRCUITS AND NETWORK SKILLS

After successfully completing this course, the student will be able to:

CO1: *Understand the basic principles of electricity and electrical circuits.*

CO2: *Define electrical drawing and symbols, and understand electric motors, generators, and transformers.*

CO3: *Describe various solid-state devices, electrical protection, and electrical wirings.*

Department of Mathematics , Tarakeswar Degree College

Course Outcomes Of B.Sc. Mathematics General Course Under CBCS

Course Structure

SEM I : CC1A

SEM II : CC1B

SEM III : CC1C

SEM IV : CC1D

SEM V : DSE1A

SEM VI : DSE1B

NOTE : Students must opt one SEC

Course in each semester from Sem-III to Sem-VI from any discipline.

SEM-I (CC1A) DIFFERENTIAL CALCULUS :

COURSE OUTCOMES :

- Student will acquaint with the analytical definition (ϵ - δ definition) of limit continuity and differentiability and will be able to deal with the conceptual problems of differentiation, local maxima-minima of a function and limits of indeterminate forms.
- Student will understand the concept of successive differentiation and partial differentiation. Also they will be able to solve the problems on these topics using Leibnitz's theorem or Euler's theorem as the case may be.
- Using the concept of differentiation (total & partial) they will be able to solve the problems relating to tangents & normals, curvature, asymptotes, singularities and finally they will be able to handle the problem of curve tracing.
- Students will learn Rolle's Theorem, Mean Value Theorem, Taylor's Series, Maclaurin's Series and they will be able to expand different types of functions in infinite series.

SEM-II (CC1B) DIFFERENTIAL EQUATIONS :

COURSE OUTCOMES :

- Students will be able to identify and solve different types of first order first degree and first order higher degree differential equations.

- Students will be able to identify and solve the problems on linear homogeneous and non-homogeneous differential equations in different methods.
- Students will acquaint the concept of partial differential equations, its order and degree and finally be able to solve partial differential equations using Lagrange's method and Charpit's method and be able to classify second order partial differential equations.

SEM-III (CC1C) REAL ANALYSIS :

COURSE OUTCOMES: After completion of this course, students will

- acquaint with different types of subsets in $\mathbb{R}$ and some useful properties of $\mathbb{R}$.
- acquaint with the concept of different notions in connection with sequence in $\mathbb{R}$ and the notion of convergence sequence including relating theorems.
- understand the idea of infinite series and its convergence and will be able to test the convergence of a series using different tests.
- acquaint the notion of sequence and series of functions; and also with the notion of pointwise and uniform convergence and some related tests.
- acquaint the concept of power series and its convergence.

SEM-IV (CC1D) ALGEBRA :

COURSE OUTCOMES: At the end of this course, students will

- acquaint with the definition of group and the examples of groups from different of Mathematics; like $\mathbf{Z}_n$ [the group of integer modulo n]; $\mathbf{U}(n)$ [the group of units under multiplication modulo n]; $\mathbf{GL}(n, \mathbf{R})$ [the general linear group], etc..
- acquaint with the definition of subgroups and its examples including the centre of a group, coset and index of a subgroup and the Lagrange's Theorem on group.
- know the definition of normal subgroup and its examples; also the quotient group.
- understand the definition of Ring, both commutative and non-commutative and the examples of two types of rings like $\mathbf{Z}_n$, the ring of integers, $\mathbf{C}[a, b]$ of all continuous functions on $[a, b]$, the ring of matrices etc. .
- acquaint with the definitions of Subrings, Ideals, Integral domains and Field with their examples.

SEM-V (DSE COURSE) (ANY ONE OF THE FOLLOWING TO DSE COURSE):

BMG5DSE1A (MATRICES)

COURSE OUTCOMES :After the completion of their course, students will

- understand the notion of vector space and basis of a vector space ; able to find basis of the vector space $\mathbf{R}, \mathbf{R}_2, \mathbf{R}_3$ over $\mathbf{R}$.
- understand the concept of linear transformation and the matrix form of basic geometric transformation.
- understand the interpretation of eigen values and eigen vectors for such transformations.
- acquaint with different types of matrices and the rank of a matrix, the relationship between rank and linear transformation.
- understand the method of reduction to normal form; the method of solutions of linear homogeneous and non-homogeneous equations.
- understand the diagonal form of a matrix and the method of reduction to diagonal form; method of solution of linear equations using matrices and its application in different field like Physics, Chemistry etc. .

BMG5DSE1A3 (LINEAR ALGEBRA)

COURSE OUTCOMES : At the end of this course students will

* understand the concept of vector space & sub space and its algebraic properties; the concepts of linear combinations, linear span and linear independence; also the concept of basis & dimension of subspaces.

* acquaint with the concept of linear transformation and the related concepts like null space, the rank and nullity of linear transformations; the matrix representation of linear transformation & its algebraic properties.

* understand the concept of dual space, dual basis, double dual, eigen values and eigen vectors, characteristic polynomial, isomorphism between two vector spaces and the properties of isomorphism between vector spaces.

SEM-VI (DSE COURSE):

BMG6DSE1B3(LINEAR PROGRAMMING)

COURSE OUTCOMES: After completion of this course, students will

*learn about different the notion and applicability of Linear programming problems through different examples from various fields of Mathematics and will able to solve the LPP of two variables by Graphical method.

*learn about different terms related to LPP like convex sets, Hyper planes etc.

*learn to solve LPP by simplex method and Big M method.

*able to construct dual of an LPP and learn the relationship between dual and its primal.

DEPARTMENT OF ZOOLOGY
TARAKESWAR DEGREE COLLEGE

Programme And Course Outcomes of B.Sc. Zoology (General) Programme
[CBCS] [The University of Burdwan]

Programme Outcome of B.Sc. (General) Science

1. **Basic Knowledge of Science:** Students acquire fundamental knowledge of science, enabling them to comprehend the multitude of occurrences transpiring in their immediate environment.
2. **Development of Disciplinary Expertise and Knowledge:** To attain a profound apprehension and holistic understanding of significant ideas, theoretical tenets, and empirical discoveries in the realm of science and its various subdivisions, one must delve into comprehensive learning. This encompassing knowledge should extend to broader interdisciplinary branches including physics, chemistry, zoology, botany, mathematics, computer science, and more.
To enhance aptitude for utilizing contemporary instrumentation in order to leverage advanced technology.
3. **Formulating Real Time Solutions:** It is essential to create a thorough approach using real-time solutions. By the conclusion of the program, participants will gain the ability to generate successful resolutions for complex problems and establish customized procedures to meet specific needs.
4. **Managing Unanticipated Circumstances:** Basic scientific knowledge enables individuals to effectively handle unexpected incidents in their community, such as sudden chemical explosions, the misuse of hazardous substances, excessive rainfall, or drought. By possessing a fundamental understanding of science, individuals are equipped to effectively manage these situations.
5. **Environmental Awareness:** Nowadays, the primary focus of society lies in addressing environmental pollution. It is crucial for students to raise awareness among the community regarding the detrimental pollutants and their impact on the environment as a whole, as well as their specific effects on human health.
6. **Effective Communication Skills:** By the conclusion of the program, participants will possess the skills to engage in both oral and written communication. They will demonstrate their ability to think critically and operate autonomously. Moreover,

learners will be proficient in effectively communicating scientific matters with both the scientific community and society as a whole. This will be achieved through the creation of well-crafted reports and documentation, delivering impactful presentations, and effectively giving and receiving instructions.

7. **Employability:** Given the diverse range of long-term professional goals our learners have, many are attracted to professions that demand scientific skills, technical expertise, or strong quantitative reasoning abilities. Consequently, upon completing the program, students will enhance their employability by acquiring subject knowledge and additional skills.
8. **Soft Skill Development:** In addition to gaining knowledge and practical skills, learners must also develop soft skills and values to function effectively in diverse teams. These skills include leadership, teamwork, project management, positive mindset, innovative thinking, and effective communication. Upon completion of this program, students can refine these skills to enhance their academic, professional, and personal endeavours, contributing to personal growth and societal progress.
9. **Ethical Development:** By the conclusion of this program, students will possess the capability to cultivate, assimilate, and implement ethical principles in both their professional and personal endeavours.

Course Outcomes of B.Sc. Zoology (General)

Course Structure

SEM I: CC1A

SEM II: CC1B

SEM III: CC1C

SEM IV: CC1D

SEM V: DSE1A

SEM VI: DSE1B

NOTE: Students must opt one SEC Course in each semester from Sem-III to Sem-VI from any discipline.

SEM-I (CC1A) :Animal Diversity

COURSE OUTCOMES: On completion of the course students will be able

- To discuss the evolutionary history of the animal kingdom
- To prepare chart animal phylogeny
- To describe the various types of body plans that occur in animals
- To discuss the tissue structures found in animals
- To discuss methods and features of animal reproduction
- To discuss the importance of homeostasis in animals

SEM-II (CC1B) : Comparative Anatomy and Developmental Biology of Vertebrates

COURSE OUTCOMES: This course will help the students

- To Understand comparative account of the different vertebrate systems □
- To Understand the pattern of vertebrate evolution, organization and functions of various systems. □
- To Learn the comparative account of integument, skeletal components, their functions and modifications in different vertebrates. □
- To Understand the evolution of heart, modification in aortic arches, structure of respiratory organs used in aquatic, terrestrial and aerial vertebrates; and digestive system and its anatomical specializations with respect to different diets and feeding habits. □
- To Learn the evolution of brain, sense organs and excretory organs to a complex, highly evolved form in mammals; □
- To Learn to analyze and critically evaluate the structure and functions of vertebrate systems, which helps them to discern the developmental, functional and evolutionary history of vertebrate species. □

- To Understand the importance of comparative vertebrate anatomy to discriminate human biology.
- This course will help the students to understand the development of multicellular organisms from a single cell zygote.
- Students will be able to appreciate the mechanisms that support growth and development.
- They will learn interesting and unique post embryonic development that happens in other animals
- It will help them to understand the concept of aging and the relevance of this knowledge in several medical applications.

SEM-III (CC1C): Physiology and Biochemistry

COURSE OUTCOMES: After completion of this course, students will be able to

- Describe the classification of biomolecules.
- Describe the properties of biomolecules.
- Describe the reaction of biomolecules.
- Understand the structure of various types of biomolecules.
- Explain the functions of all the biomolecules.
- Analyze the biochemical reaction of biomolecules.
- Understand the relationship between different biomolecules.
- List down functions of various hormones.
- Describe the mechanism of action of hormones.
- Describe the disorders related to hormones.
- Draw structure of vitamins.
- Describe functions of vitamins.
- Explain deficiency disorders of vitamins.

SEM-IV (CC1D): Genetics and Evolutionary Biology

COURSE OUTCOMES: On successfully completing the module students will be able to:

- Demonstrate the ability to predict outcomes in monohybrid and dihybrid crosses using Mendelian genetics.
- Demonstrate a basic understanding of patterns of inheritance that do not obey Mendelian Principles.
- Demonstrate the ability to analyse pedigrees and predict the inheritance of human genetic disease.
- Demonstrate a basic understanding of DNA mutation and of horizontal gene transfer and their role in evolution.
- Demonstrate a basic understanding of Darwin's observations and the role of genetics in speciation and evolution.
- Demonstrate an ability to quantify the distribution of genes in populations.

SEM-V (DSE COURSE) DSE 1A: Applied Zoology

COURSE OUTCOMES: **After** successfully completing this course, students will be able to:

- Understand processes of fisheries, sericulture, along with crop pest management techniques
- Students gain knowledge about various disease related vectors and their impact on human
- Understand concepts of apiculture, poultry, dairy along with tissue and cell culture techniques

Skill Enhancement Course- III (SEC COURSE): Sericulture

COURSE OUTCOMES: **On** completion of the Sericulture course, students will be able to

- understand overall aspects of Sericulture, namely, Mulberry and no mulberry silkworms and their food plants, Rearing of the silkworm, Silkworm pathology, Process of silkworm seed production and silk technology.
- This course creates awareness among students about the economic importance and suitability of Sericulture in Indian conditions.
- Students will learn various technologies involved in Sericulture.
- Students will get hands-on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.

SEM-VI DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)DSE 1B: Immunology

COURSE OUTCOMES: At the end of this course students will be able to

- explain the immunological terms.
- Defines the concept of immunology.
- Interpret the concept of immunogen.
- Discuss the concepts of antigen and antibody.
- Will be able to explain the immune system.
- Interpret the organs of the immune system.
- Explain the concept of vaccine and serum.
- Interpret vaccine and serum types.
- Discuss the differences between vaccine and serum.

Skill Enhancement Course- IV

(SEC COURSE): Community Nutrition and Health Statistics

COURSE OUTCOMES: At the end of the course, the student will have knowledge of

- What is under nutrition and malnutrition – causes, prevalence and its consequences.
- Methods of nutritional assessment of individual and group both directly and indirectly.
- The major nutritional problems existing in India- causes, effects, prevention and control measures.
- Various national nutritional programmes existing in India to combat malnutrition.
- Role of national and international agencies in improving the nutritional status of population.

Department of Botany
Tarakeswar Degree College
Course Outcome for B.Sc Botany (general)

The CBCS syllabus prescribed a gamut of choices for the students to take up as per their willingness, from the options. The students who opted Botany as a discipline had to study a total of eight papers in the span of three years (extendable up to 5 yr.). They had to take four Discipline Specific Core Courses (CC) having six credits each, two Skill Enhancement Courses (SEC) of two credits each and two Discipline Specific Elective Courses (DSE) of six credits each.

SEMESTER	PAPER NAME	PAPER CODE	PRACTICAL	CREDIT
SEM-I	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	CC-1A	YES	6
SEM-II	Plant Ecology and Taxonomy	CC-1B	YES	6
SEM-III	Plant Anatomy and Embryology	CC-1C	YES	6
	Biofertilizer	SEC-1	NO	2
SEM-IV	Plant Physiology and Metabolism	CC-1D	YES	6
	Floriculture	SEC-2	NO	2
SEM-V	Economic Botany and Biotechnology	DSE-1A	YES	6
SEM-VI	Cell and Molecular Biology	DSE-1B	YES	6

CC-1A

Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Objectives of the Course:

After studying Paper-I, Biodiversity course, students will be able to:

- appreciate the diversity in structure, numbers and distribution of plants;
- discuss the origins, evolution of different plant groups;
- classify the various groups in major broad categories;
- describe how they reproduce;
- study the life cycles of certain selected genera; and
- correlate the importance and strategies adopted by primitive archegoniate during transfer to land habitat and final evolve to terrestrial habitats.

CC-1B

Plant Ecology and Taxonomy

Objectives of the Course:

After studying Paper-II, Ecology and Taxonomy course, students will be able to:

- define and explain the terms environment and ecology,
- describe various physical factors in the environment such as soil, water, light and temperature etc.
- describe adaptations in plants growing in water and dry habitats.
- give an overview of biogeographical zones of India
- prepare herbarium and understand taxonomic underpinnings, their hierarchy etc.
- describe nomenclature and classification strategies for plants
- analyse phenograms and cladograms

CC-1C

Plant Anatomy and Embryology

Objectives of the Course:

After studying Paper-III, Anatomy and Embryology course, students will be able to understand:

- basic types of anatomical structures in plants (various cells and tissues);
- structure of plant organs such as root, stem and leaves;
- adaptative and protective features found in plants growing in different environments;
- structural organization of flower, the main reproductive organ in the plant;
- process of pollination and fertilization leading to formation of embryo and endosperm; and
- formation of seeds and development of new plant.

SEC-1

Biofertilizer

Objectives of the Course:

After studying this SEC paper, Biofertilizer, students will be able to understand:

- general idea about Microbes like- Rhizobacteria and Actinorrhizal symbiosis as biofertilizer;
- isolation, mass multiplication, utilization of Azospirillum, Azotobacter and Cyanobacteria;
- knowledge about mycorrhiza with special reference to VAM and their application;
- ideas about organic farming, green manuring, bio-composting, vermicomposting and their field applications.

CC-1D

Plant Physiology and Metabolism

Objectives of the Course:

After studying Paper-IV, Physiology and Metabolism course, students will be able to understand:

- appreciate relations of the plants with water- mechanisms of absorption, water transport pathways;
- the role of essential elements as nutrients.
- principles and processes of translocation;
- process and complexity of photosynthesis;
- explain and discuss about mechanisms of enzyme action and respiration in plants;
- discuss nitrogen fixation and various hormones and their action; and
- appreciate how plants deal with stress and adapt themselves.

SEC-2

Floriculture

Objectives of the Course:

After studying this SEC paper, Floriculture, students will be able to understand the following:

- introduction to gardening and its scope in landscaping;
- idea about nursery management operations like topiary, mulching etc.
- ornamental plantations, indoor gardening, bonsai formations etc.
- principles of garden designing of various countries like Japanese, Italian, French, Persian etc.
- ideas about organic farming, green manuring, bio-composting, vermicomposting and their field applications.
- Commercial floriculture practices and important cut flowers etc.
- Ideas about diseases and pests of ornamental plants

DSE-1A

Economic Botany and Biotechnology

Objectives of the Course:

After studying Paper-V, Economic Botany and Biotechnology course, students will be able to understand:

- describe the centres of origin and their importance with reference to Vavilov's work;
- origin, morphology and uses of cereals like Wheat;
- general account of pulses like Gram and Soyabean;
- comprehend the importance of major spices used in India (like, Clove and Black pepper) along with their description and uses;
- explain the morphology, processing and uses of non-alcoholic beverages like Tea;
- general description of Groundnut as a major oil producing crops of India;
- general description, morphology and use of fibre crops like cotton;
- history, aim and scope of Biotechnology- contribution of Indian scientists
- comprehend various facets of plant biotechnology taking the example of plant tissue culture; describe the methodology and application of plant tissue culture, micropropagation, haploid production and germplasm conservation etc.
- appreciate the importance of RDT through knowledge about cloning vectors, DNA libraries. PCR, DNA fingerprinting and their uses etc.

DSE-1B

Cell Biology, Genetics and Molecular Biology

Objectives of the Course:

After studying Paper-VI, Economic Botany and Biotechnology course, students will be able to:

- appreciate various techniques used in study of cell and molecular biology;
- recognize the structure of cell and various organelles;
- acquainted with the function of cell organelles in various processes taking place in cell;
- appreciate details of cell cycle particularly the processes of mitosis and meiosis;
- describe the structure and function of DNA and RNA; and
- their utility and function as genetic material
- identify and appreciate processes such as transcription and translation
- idea about regulation of gene expression through Lac and Trp operons etc.

Programme Outcomes & Course Outcomes

Stream: Commerce

1. Department of Commerce

B.Com : Specialization in ACCOUNTING & FINANCE

Programme Outcomes :

Undergraduate B.Com course under Semester with Choice Based Credit System offered by Tarakeswar Degree College follows the syllabus prescribed by The University of Burdwan. The college offers specialization in Accounting and Finance which is a combination of core papers, general elective papers and discipline specific elective papers that helps in simultaneously inculcating the need and interest of students taking up this course. The attempt is to make students aware and prepare them for handling the vast financial aspect of the economy. The programme is designed so as to aim at providing a firm foundation in every aspect of accounting and finance and at helping students develop observational and computational skills which would shape him or her into a skilled accountant or a manager or an entrepreneur.

- To have basic knowledge of Accountancy
- To have a clear knowledge about the specific discipline
- To develop critical thinking
- Pursue further career options by enriching their profile by enrolling for higher studies as in various masters programmes as well as professional courses.
- To build a strong foundation in accounting, management, business and economy.
- To gain awareness regarding environment friendly practices

Programme Specific Outcomes :

At the end of the 3 year B.com Semester programme with specialization in Accounting and Finance, the students will be able to:

- Understand the practical application of the finance and business knowledge in both theoretical and practical aspects
- Have a grip on the schedules to be followed and the procedures to be adapted while preparing financial statements of companies
- Understand the laws and regulations relating to business from the perspective of dealers and consumers
- Analyse the prospective sources of finance and identify the most suitable source for a particular business
- Develop prowess in management of an organization
- File income tax return and compute tax liability of individuals
- Ensure effective utilization and optimum allocation of limited funds in various projects which are in requirement of finance

Course Outcomes :

The course is designed so as to encompass various aspects of an organization, be it the management aspect of the business, or the production, the administration, the finance – its procurement and management, the selling and marketing aspects of the business and the overall functioning of the business as well.

SEMESTER 1

Ability enhancement compulsory course 1: Environmental Studies

1. To understand the importance of a sustainable environment.
2. To analyse the inter-relationship between various components of the environment.
3. To enlighten students regarding the role human beings play in order to protect the environment.

Core Course 1 : Financial Accounting 1

1. To help acquire conceptual knowledge of financial accounting.
2. To impart skills for recording various transactions in a business unit.
3. To understand the various principles and concepts abiding which the accounting is done.
4. To enable students prepare final accounts of the business concern which reveals the position of the business as regards its profitability.

Core Course 2 : Business Management

1. To understand the origin of the concept and need of management.
2. To understand the principles, practices and thoughts – classical and modern in relation to management.
3. To recognize the importance of planning before executing any operation or taking any decision in the organization.

4. To identify the role of delegation and the importance of accountability in an organization.
5. To explore the need of coordination and control in order to ensure smooth functioning of the organization.

General Elective 1 : Business Mathematics

1. To familiarize students with basic mathematical tools.
2. To incorporate mathematical concepts in real life business and economic situations.
3. To help them acquire analytical skills.

SEMESTER 2

Ability enhancement compulsory course 2: Language

1. To enhance communication skill.
2. To enable students to imbibe culture and tradition.
3. To increase their ability to interact and express.

Core Course 3 : Cost Accounting I

1. To understand the concept of cost and terminologies related to cost accounting.
2. To understand the ordering quantity of materials and determine the material cost.
3. To familiarize the students with the estimation and calculation of labour cost.

4. To understand the concept of allocation and apportionment of expenses among various production and service departments.
5. To enrich them with the ability to lay down the cost sheet of the company so as to highlight the profit of the business unit.

Core Course 4 : Business Law

1. To make them aware about the legal provisions of the laws relating to business.
2. To understand the legal provisions of business regarding sale of goods as per Sale of Goods Act, 1930.
3. To have an insight regarding what norms to follow while entering into any contract and understand the rules governing the Indian Contract Act.
4. To make students identify their rights and discharge of duties by parties in cases of indemnity, bailment, pledge and guaranty.
5. To familiarize them with the provisions of negotiable instruments while dealing in such.

General Elective 2 : Business Statistics

1. To make them apply appropriate sampling survey method and collect data.
2. To interpolate and extrapolate values from a series and use it for forecasting.
3. To understand the features and methods of statistical tools and enable the application of such in business and economic situations.

SEMESTER 3

Core Course 5 : Computer Applications in Business

1. To provide computer skills and knowledge to students.
2. To enhance students understanding of usefulness of information technology tools for business operations.
3. To understand the structure of the data base management system and have an in-depth knowledge of the components of database management system.
4. To enable students have the skill of creating webpage.

Core Course 6 : Cost Accounting II

1. To have a better understanding of various methods and techniques involved in cost ascertainment.
2. To help them better analyse and evaluate information for cost planning, control and decision making.
3. To understand the concepts of break-even point, margin of safety and angle of incidence.
4. To enable students understand and analyse cost-volume-profit relationship.
5. To help students identify the variance in standard cost and actual cost incurred, the reasons behind such variance and the ways to sort out those variances.

Core Course 7 : Financial Accounting II

1. To understand the concept of hire purchase system and enable students to gain knowledge on preparation of accounts under Hire Purchase system.
2. To enlighten students regarding various transactions operative between branches either operating separately or jointly with the head office.
3. To make them skilled in accounting for departmental transactions.
4. To make students understand the concept of shares and debentures, the procedures relating to issue, forfeiture and reissue of shares and their accounting in the books.

Skill Enhancement Course 1 : E-Commerce

1. To help students understand the concepts, vocabulary and procedures associated with E-Commerce and Internet.
2. To understand the concept of various business models and the significance of e-commerce in today's society.
3. To make students aware of the usage and technicalities of e-payments using debit cards and credit cards.
4. To understand the concept of digital marketing and social marketing.

General Elective 3 : Principles of Economics

1. To understand the concept of demand and supply prevalent in the market.
2. To help students understand the concept of indifference curve and identify the point of consumer's equilibrium.
3. To understand the various factors on which production depend.
4. To understand various market structure and determining equilibrium point in each category of market under short term and long term situations.

SEMESTER 4

General Elective 4 : Indian Economy

1. To make students understand the basic issues in economic development.
2. To understand the composition of national income and the distribution of such among the agrarian and industrial sectors of the economy.
3. To understand the problems and root causes of increasing unemployment rate in the economy.

Core Course 8 : Financial Accounting III

1. To help students acquire conceptual knowledge of corporate accounting.
2. To impart skills for recording various kinds of corporate transactions.
3. To make students understand the methods and techniques of valuation of goodwill and shares.

4. To make students aware of the concept, rules and provisions of redemption of preference shares as well of debentures.
5. To understand how to do accounting for holding companies and their subsidiaries.

Core Course 9 : Marketing Management & Human Resource Management

1. To make students understand the concept of management of human resources, the role and competencies of human resource manager and the concept of downsizing.
2. To acquire knowledge on product planning and the various stages through which a product passes.
3. To make them aware of the various pricing strategies and wise application of those strategies in appropriate situations.
4. To understand various methods of promoting one's product.
5. To give a clear concept of market segmentation.

Skill Enhancement Course 2 : Entrepreneurship

1. To acquaint the student with the concept of entrepreneurship as a career option.
2. To orient the learners and infuse creative thinking and learning within them.
3. To invoke various business ideas and choose the best idea after conducting the feasibility of the existence and survival of the project.
4. To make them aware of the role of government and several institutions in promoting entrepreneurship.

5. To highlight the prominent role of women as entrepreneurs and in the development of the concept of entrepreneurial development.

Core Course 10 : Corporate Laws

1. To impart basic knowledge regarding important corporate legislations.
2. To make students familiar with the provisions of Companies Act, 2013.
3. To make them acquire knowledge regarding the capacity, duties and responsibilities of shareholders and directors in the company.
4. To make them aware regarding the rules and provisions of appointment of directors.
5. To acquaint learners with the knowledge on modes and procedures of winding up of companies.

SEMESTER 5

Core Course 11 : Taxation I

1. To understand the basic concepts and provisions of various terminologies under Income Tax Act, 1961.
2. To have a knowledge regarding determination of the residential status of individuals and consequent taxability of the income earned by those specific individuals.

3. To make them understand how to assess the liability of tax on their own income under the head Income from salaries.
4. To familiarize students with computation of income earned from house property.
5. To understand how to calculate tax on profits from business and income from profession.

Core Course 12 : Auditing

1. To provide knowledge of auditing principles, procedures and techniques in accordance with current legal requirements and professional standards.
2. To make them aware of the importance of internal check and internal control system within the organization to ensure smooth audit procedure.
3. To impart knowledge to students regarding the appointment, rotation, removal, qualifications, duties and responsibilities of auditors under the Companies Act, 2013.
4. To make students understand the different types of audit report, the contents of such report as well as the significance of such report issued by auditors.

Discipline Specific Elective 1 : Management Accounting

1. To understand the analysis of financial statements by using various tools of analysis.
2. To make students know the calculation of different ratios which are in turn used for analyzing various financial statements.

3. To help students prepare the statement of cash flows in order to ascertain the balance of cash and cash equivalents at the end of the year so as to exhibit the position of the business.
4. To understand the concept and preparation of cash as well as functional budgets.

Discipline Specific Elective 2 : Indian Financial System

1. To provide students a basic knowledge of financial markets and institutions and to familiarise them with major financial services in India.
2. To introduce them with the concept of money market and capital market.
3. To make students aware of the role of the Reserve Bank of India in adjustment of liquidity in the money market.
4. To understand the concept of merchant banking and the regulatory framework guiding the working of such merchant bankers.
5. To give them a clear idea of the stock market, their indices and their fluctuations.

SEMESTER 6

Core Course 13 : Fundamentals of Financial Management

1. To make students understand the concept of the blood system of the organization – finance.
2. To make them aware regarding how to manage finance and how to channelize such finance through optimum investment.

3. To understand the various components of the capital structure and the merits and demerits of incorporating own capital and debt capital in the capital structure.
4. To orient them with the concept of working capital and determine the factors affecting working capital requirement.
5. To make them familiar with the prevalent dividend policies of organization, the various models guiding the payment of dividend and relationship between dividend payment and price of the shares.
6. To help students better understand the capital budgeting techniques.

Core Course 14 : Taxation II

1. To make students understand the mode of set off and carry forward of losses in consecutive years and adjustments to be made.
2. To familiarize students with the various sections and provisions of deduction from gross total income to enable them to know as to how much deduction they can claim and exempt themselves from paying tax on total income in a fair manner.
3. To make them conversant with the concept of GST and various provisions related to such.
4. To make students understand the concept of input tax credit and output tax credit.

Discipline Specific Elective 3 : Business Tax Procedures and Management

1. To orient students with the concept of tax planning so that instead of evading tax, they can avoid payment of tax in honest mannerisms by just investing wisely so as to claim deduction.
2. To understand the different methods of self-assessment.
3. To understand the concept of PAN as well as the applicability of PAN as well as the persons exempted from quoting PAN.
4. To make students aware of the concept of Advance Tax and Tax Deducted at Source.

Discipline Specific Elective 4 : Project Work

1. To make students know the importance of analysing a particular topic in order to decipher a new horizon to the already existing perspective.
2. To help them know the concepts of primary survey and secondary survey in order to research on a specific point which they want to prove.
3. To prepare students, especially those who are interested in taking up research work and pursue further higher studies.
4. To enable students sharpen their analytical ability and think differently.
5. To help students understand the importance of various statistical tools in interpreting their observations and reach to a conclusion out of their research.
6. To make them conversant with several statistical softwares implemented to convert collected data into meaningful information.

Programme Outcomes & Course Outcomes

Stream: Management

1. Department of Business Administration

TARAKESWAR DEGREE COLLEGE, HOOGHLY

Department of Business Administration

BBA (Hons.)

Based on CBCS

PROGRAMME OUTCOMES (PO)

At the end of three year BBA(H) programme, the students will be able to :

- ❖ PO 1- Understand and apply their knowledge in various corporate or govt. jobs.
- ❖ PO 2- Develop & continue personal business as an entrepreneur.
- ❖ PO 3- Can join in higher studies like MBA, PGD etc.
- ❖ PO 4- Develop critical thinking skills in professional life.
- ❖ PO 5- Enhance interpersonal skills to apply in daily life.

PROGRAMME SPECIFIC OUTCOMES (PSO)

At the end of three year BBA(H) programme with their individual honours, the students will be able to :

- ❖ PSO 1- Develop proficiency in the management of an organizational department.
- ❖ PSO 2- Understand the application of business Knowledge in both theoretical and practical aspects.
- ❖ PSO 3- Developing effective communication skills and ability to work in teams.
- ❖ PSO 4- Adapt the advancement of any kind in business & technology aspects.
- ❖ PSO 5- Understand from practical exposures they get and amplify their own potential.

COURSE OUTCOMES (CO)

After the students finish each course/semester in BBA(H), the students will be able to :

SEMESTER 1

BBA 1.1 – MANAGEMENT PROCESS & ORGANIZATIONAL BEHAVIOUR (MPOB)

- CO 1- Study about the concept and evolution of management.
- CO 2- Understand the emerging trends and challenges in management.
- CO 3- Realize the organizational level work process in individuality & group.
- CO 4- Connect basic management thoughts in any organizational structure.

BBA 1.2 – BUSINESS COMMUNICATION (BC)

- CO 1- Learn formal employment communication skills and techniques.
- CO 2- Equip the students with the necessary skills and techniques of informal communication.
- CO 3- Aware about the importance, role and content of soft skills.
- CO 4- Know about maximum modern communication technologies available to work with.

BBA 1.3 – ACCOUNTING FOR MANAGERS (AFM)

- CO 1- Develop the skills in interpreting financial statements for managerial decisions.
- CO 2- Study about nuances of accounting from very basic.
- CO 3- Aware about the importance, role and content of final accounts and company accounts.
- CO 4- Record transactions and calculate the data to understand company's accounting status.

SEMESTER 2

BBA 2.1 – BUSINESS ECONOMICS (BE)

- CO 1- Find the connection among economics and other allied subjects.
- CO 2- Understand the micro economic factors like demand, production, cost and market.
- CO 3- Realize the macro economic issues like national income, money, banking etc.
- CO 4- Understand the quantitative and qualitative dimensions of economics in general.

BBA 2.2 – BUSINESS ENVIRONMENT (BENV)

- CO 1- Study about the micro and macro aspects of any business environment.
- CO 2- Understand the emerging trends and challenges in domestic and international marketplaces.
- CO 3- Realize the pros and cons of open economy in globalization.
- CO 4- Know the advancements in technological, political, social, cultural dimensions of business.

BBA 2.3 – BUSINESS MATHEMATICS (BM)

- CO 1- Study the very basics of mathematics in general to go further in statistics.
- CO 2- Understand the applications of progression, logarithm, permutation, matrices etc.
- CO 3- Calculate the coordinate geometry, quadratic equations, straight line etc.
- CO 4- Understand limit, derivatives, calculus to understand statistics better.

SEMESTER 3

BBA 3.1 – BUSINESS LAWS (BL)

- CO 1- Provide a basic understanding about the provisions of various business laws.
- CO 2- Understand the Contract Act and Sale of Goods Act in details.
- CO 3- Gather knowledge about consumer rights, negotiable instruments, foreign exchange etc.
- CO 4- Study Companies Act and Partnership Act for future references.

BBA 3.2 – BUSINESS STATISTICS (BS)

- CO 1- Realize the applications of statistics to business and research aspects.
- CO 2- Understand the use of data for measures of central tendency and dispersion.
- CO 3- Have idea of bivariate data through correlation and regression.
- CO 4- Apply index number and time series analysis in real life.

BBA 3.3 – ENTREPRENEURSHIP DEVELOPMENT (ED)

- CO 1- Study the idea and scope of entrepreneurship in general and for women as well.
- CO 2- Determine the activities of government initiatives to help entrepreneurs.
- CO 3- Realize how financing a potential enterprise is possible through different bodies.
- CO 4- Understand how the possible project formulation and appraisal is done.

BBA 3.4 – COMPUTER FUNDAMENTALS & APPLICATIONS (CFA)

- CO 1- Study about the theory and architecture of computer so far with some practical experience.
- CO 2- Understand how operating system, computer languages work.
- CO 3- Realize the use of number system, flowchart, algorithm in general.
- CO 4- Apply the knowledge of internet applications at most.

SEMESTER 4

BBA 4.1 – MARKETING MANAGEMENT (MM)

- CO 1- Understand the core concepts of marketing theories in detail.
- CO 2- Upgrade to the new trends applied in marketing around the world.
- CO 3- Realize the total concepts of marketing mix and promotion mix.
- CO 4- Imbibe the smaller terms and nuances of marketing in real life through examples.

BBA 4.2 – HUMAN RESOURCE MANAGEMENT (HRM)

- CO 1- Understand the core concepts of HRM theories in detail.

- CO 2- Upgrade to the new practices applied in HRM in India.
- CO 3- Realize the major concepts of human resource planning, development, industrial relations etc.
- CO 4- Imbibe the smaller terms and nuances of HRM in real life through examples.

BBA 4.3 – PRODUCTION AND MATERIALS MANAGEMENT (PMM)

- CO 1- Understand the core concepts of PMM theories in detail.
- CO 2- Upgrade to the new practices applied in PMM in India.
- CO 3- Realize the major concepts of plant, quality, materials etc.
- CO 4- Imbibe the smaller terms and nuances of PMM in real life through examples.

BBA 4.4 – FINANCIAL MANAGEMENT (FM)

- CO 1- Understand the core concepts of financial theories in detail.
- CO 2- Realize the modern practices applied in finance in India.
- CO 3- Realize the major concepts of capital, money etc. through quantitative approaches.
- CO 4- Imbibe the smaller terms and nuances of finance through calculations.

SEMESTER 5

BBA 5.1 – STRATEGIC MANAGEMENT (SM)

- CO 1- Understand the strategy theories as a whole structure in business organization.
- CO 2- Have an idea about how any organization can analyze the strategic decision to make.
- CO 3- Realize the steps involved in making any strategic move at any given time.
- CO 4- Imbibe the smaller terms and nuances of strategic management from small to large scale.

BBA 5.2 – OPERATIONS RESEARCH (OR)

- CO 1- Understand how and why the subject is important in its quantitative nature of application.
- CO 2- Realize how a business decision can be quantified to arrive at an optimum solution.
- CO 3- Have an idea of linear programming, decision by theory and calculations.
- CO 4- Apply transportation, assignment, game, networking technique analysis in business problems.

BBA 5.3 – MANAGEMENT INFORMATION SYSTEM (MIS)

- CO 1- Study about how information system can be variable used for management practices.
- CO 2- Understand the uses of the functional as well as other classifications of information systems.
- CO 3- Realize the use of database, computer networking etc. in general.
- CO 4- Have an idea about e-commerce and allied concepts.

SEMESTER 6

ELECTIVE A – ACCOUNTING & FINANCE (AF 6.1-6.2-6.3)

- CO 1- Study in details about cost and management accounting with calculations.
- CO 2- Understand how to apply taxation theories in real life practices.
- CO 3- Study the financial markets and financial statement analysis.
- CO 4- Connect all these theories and calculations in their respective project work.

ELECTIVE B – SALES AND MARKETING MANAGEMENT (SMM 6.1-6.2-6.3)

- CO 1- Study in details about sales and distribution management theories.
- CO 2- Understand how to apply promotion mix theories in real life practices.
- CO 3- Study the services marketing concepts and how they are implemented.
- CO 4- Connect all these theories in their respective project work.

ELECTIVE C – HUMAN RESOURCE MANAGEMENT (HRM 6.1-6.2-6.3)

- CO 1- Study in details about the industrial relations concepts and implementation of its laws.
- CO 2- Understand how to apply human resource development theories in real life practices.
- CO 3- Study the compensation management concepts and laws of wages etc.
- CO 4- Connect all these theories in their respective project work.

ELECTIVE D – SYSTEMS MANAGEMENT (SM 6.1-6.2-6.3)

- CO 1- Study in details about system analysis and design theories.
- CO 2- Understand how to apply decision support system theories in real life practices.
- CO 3- Study the database management system concepts and how they are implemented.
- CO 4- Connect all these theories and quantitative approaches in their respective project work.

BBA 6.4 & 6.5 – PROJECT STUDY & GRAND VIVA

- CO 1- Undertake project assignment in any registered company and submit a research based report on that.
- CO 2- Understand the emerging trends and challenges in real life business environment.
- CO 3- Face a grand viva & project viva as a base for future interviews to appear.
- CO 4- Realize the concepts of honours papers studied so far as a practical outcome.

