

Expected Learners' Outcome

2018-19

Our college has been imparting UG courses in Arts and Science streams since its inception. This report provides a detail report on expected learners' outcome after the completion of each course of the undergraduate courses (B.A. & B.Sc.)

Contents:

Expected Learners' outcome 2018-2019

COURSE/PROGRAMME

1. Assamese
 - a. Assamese (MIL Pass Course)
 - b. Assamese (Major Course)
2. English/Alternative English
 - a. General English (Pass Course)/Alternative English
 - b. English (Major Course)
3. Education
 - a. Education (Pass Course)
 - b. Education (Major Course)
4. Economics
 - a. Economics (Pass Course)
 - b. Economics (Major Course)
5. Geography
 - a. Geography (Pass Course)
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 - a. History (Pass Course)
 - b. History (Major Course)
7. Home Science
 - a. Home Science (Pass Course)
 - b. Home Science (Major Course)
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 - a. Political Science (Pass Course)
 - b. Political Science (Major Course)
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 - a. Philosophy (Pass Course)
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 - a. Sociology (Pass Course)
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Contents:

Expected Learners' outcome 2018-2019

COURSE/PROGRAMME

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- a. Botany (Pass Course)
- b. Botany (Major Course)

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- a. Chemistry (Pass Course)
- b. Chemistry (Major Course)

13. Mathematics

- a. Mathematics (Pass Course)
- b. Mathematics (Major Course)

14. Physics

- a. Physics (Pass Course)
- b. Physics (Major Course)

15. Zoology

- a. Zoology (Pass Course)
- b. Zoology (Major Course)

1 (a) Programme: B.A. pass course in Assamese

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	ASM-101 অসমীয়া সাহিত্যৰ বুৰঞ্জী আৰু অসমৰ সংস্কৃতি অধ্যয়ন	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া সাহিত্যৰ ইতিহাস, যুগভিত্তিক সাহিত্যৰাজিৰ পৰিচয় আৰু অসমীয়া সংস্কৃতিৰ সাধাৰণ ধাৰণা লাভ কৰিবলৈ সক্ষম হব।
2	Semester-II	ASM-201 অসমীয়া ভাষাৰ প্ৰায়োগিক জ্ঞান	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া ভাষাৰ উচ্চাৰণ, শুদ্ধ আখৰ জোঁটনিৰ লগতে উপযুক্ত পৰিভাষাৰ প্ৰয়োগ, অনুবাদ, বিভিন্ন ধৰণৰ পত্ৰ লিখন আদিৰ সম্পৰ্কে সম্যক জ্ঞান লাভ কৰিবলৈ সক্ষম হব।
3	Semester-IV	ASM-401 অসমীয়া সাহিত্যৰ চানেকি	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে শংকৰদেৱৰ দিনৰ পৰা সাম্প্ৰতিক কাললৈকে বিস্তাৰিত অসমীয়া কবিতা, নাটক আৰু কথা সাহিত্যৰ জ্ঞান লাভ কৰিবলৈ সক্ষম হব।

(b) Programme: B.A. Major course in Assamese

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	ASMM-101 অসমীয়া সাহিত্যৰ বুৰঞ্জী	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া সাহিত্যৰ যুগ বিভাজনৰ বিষয়ে জনাৰ উপৰিও আৰম্ভণিৰে পৰাশংকৰোত্তৰ যুগলৈকে অসমীয়া সাহিত্যৰ বিষয়ে সম্যক জ্ঞান লাভ কৰিবলৈ সক্ষম হব।
2	Semester-II	ASMM-201 অসমীয়া সাহিত্যৰ বুৰঞ্জী	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া সাহিত্যৰ যুগ বিভাজনৰ লগতে অৰুণোদই যুগৰ পৰা যুদ্ধোত্তৰ যুগলৈকে এই সময়ছোৱাৰ সাহিত্যৰাজিৰ বিষয়ে সম্যক জ্ঞান লাভ কৰিব।
3	Semester-III	ASMM-301 ভাষাবিজ্ঞানৰ প্ৰাথমিক পৰিচয়	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে ভাষা আৰু ভাষাবিজ্ঞানৰ বিভিন্ন বিষয়বোৰৰ পৰিচয় পাবলৈ সক্ষম হব।
		ASMM-302 অসমীয়া কবিতাৰ অধ্যয়ন	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া কবিতাৰ ইতিহাস সম্পৰ্কে জানিব আৰু অসমীয়া কবিতাৰ বৈশিষ্ট্য আৰু বৈচিত্ৰ্যৰ বিষয়ে ধাৰণা লাভ কৰিবলৈ সক্ষম হব।
4	Semester-IV	ASMM-401 অসমীয়া গদ্য-সাহিত্য	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া অসমীয়া গদ্য-সাহিত্যৰ ক্ৰমবিকাশ, বৈশিষ্ট্য আৰু বৈচিত্ৰ্যৰ ধাৰণা লাভ কৰিবলৈ সক্ষম হব।
		ASMM-402 অসমৰ ভাষা আৰু লিপি	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমত প্ৰচলিত ভাষা আৰু উপভাষাসমূহৰ পৰিচয়, ভাষাতাত্ত্বিক বৈশিষ্ট্য, লিপি, ভাষাৰ আদান-প্ৰদান ইত্যাদি বিষয়বোৰৰ সমুচিত পৰিচয় পাবলৈ সক্ষম হব।
5	Semester-V	ASMM-501 সাহিত্যতত্ত্ব আৰু সমালোচনা	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে সাহিত্য আৰু বিভিন্ন সাহিত্য-ৰূপৰ সংজ্ঞা আৰু স্বৰূপ উপলব্ধি কৰিবলৈ সক্ষম হব।
		ASMM-502 অসমীয়া নাটক	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া নাট্য-সাহিত্যৰ ক্ৰমবিকাশৰ সম্যক ধাৰণা পাবলৈ সক্ষম হব।
		ASMM-503 সংস্কৃতি অধ্যয়ন	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে সংস্কৃতিৰ সাধাৰণ ধাৰণা আৰু অসমীয়া সংস্কৃতিৰ বৈশিষ্ট্যৰ বিষয়ে

			সম্যক ধাৰণা লাভ কৰিবলৈ সক্ষম হব।
		ASMM-504 তুলনামূলক ভাৰতীয় সাহিত্য	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে তুলনামূলক সাহিত্যৰ সংজ্ঞা, পৰিচয় আৰু তুলনামূলক ভাৰতীয় সাহিত্যৰ পৰিসৰ আৰু প্ৰাসংগিকতা সম্পৰ্কে ধাৰণা লাভ কৰিবলৈ সক্ষম হব।
6	Semester-VI	ASMM-601 ভাষা সাহিত্য অধ্যয়নৰ বিবিধ দিশ	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে বিভিন্ন মাধ্যমৰ বাতৰি পৰিৱেশন, পাণ্ডুলিপি সম্পাদনা, বিজ্ঞাপন আদিৰ দৰে ভাষা-সাহিত্যৰ ব্যৱহাৰিক দিশবোৰৰ সম্যক জ্ঞান লাভ কৰিবলৈ সক্ষম হব।
		ASMM-602 ভাৰতীয় আৰ্যভাষা আৰু অসমীয়া ভাষা	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে ভাৰতীয় আৰ্যভাষাৰ ক্ৰমবিকাশৰ ৰূপৰেখা পাবলৈ সক্ষম হোৱাৰ উপৰিও সংস্কৃত, পালি আৰু প্ৰাকৃত ভাষাৰ স্বৰূপৰ লগত পৰিচয় হবলৈ সুবিধা লাভ কৰিব। এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকল ব্যাকৰণৰ বৈশিষ্ট্যবোৰৰ লগতো পৰিচিত হব।
		ASMM-603 অসমীয়া ভাষাৰ ভাষাতাত্ত্বিক অধ্যয়ন	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে অসমীয়া ভাষাৰ ধ্বনিতত্ত্ব, ৰূপতত্ত্ব, বাক্যতত্ত্ব আৰু শব্দগঠন, শব্দসাধন সম্পৰ্কে পৰিচয় পাবলৈ সক্ষম হব। লগতে ধ্বনিবিজ্ঞানৰ সম্যক জ্ঞান লাভ কৰিবলৈও সক্ষম হব।
		ASMM-604 বিশ্বসাহিত্যৰ পৰিচয়	এই পাঠ্যক্রমত ছাত্ৰ-ছাত্ৰীসকলে বিশ্বসাহিত্যৰ ধাৰণা আৰু পৰিচয় লাভ কৰিবলৈ সক্ষম হব।

2 (a) Programme: B.A Pass Course in English/Alternative English

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Written Communication	After completing this course, the learner shall be acquainted with some of the basic skills in written communication. It also help the learners to learn use of language and would be able to practice the different modes of writing and comprehension.
		Core-101 Alternative English	After completing this course, the learner shall be familiarized with poetry as a genre and would also be able to appreciate the cultural and social backgrounds against which the prescribed master pieces were produced.
2	Semester-II	Core-201 Reading Prose	It is believed that learners, after the culmination of this course, students shall be able to appreciate different kinds of creative writing and also inculcate desirable social values. It will also help in the simultaneous development of language and communication skills among students.
		Core-201 Alternative English	It is believed that learners, after the culmination of this course, students shall be able to appreciate different kinds of creative writing and also inculcate desirable social values. The prescribed non fictional prose will acquaint the students with the idea of famous

			writer and thinkers.
3	Semester-III	Core-301 Reading Poetry & One act play	It is believed that learners, after the culmination of this course, students shall be acquainted with the major English points from the Romantic to the Modern period by English, American and Indian poets. Besides, the prescribed one act play by a Russian author will acquaint the students with other literary cultures outside English.
3	Semester-IV	Core-401 Alternative English	It is believed that learners, after the culmination of this course, students shall be familiarized with literary genres such as fiction and short stories which will develop the skills necessary for appreciation and interpretation of literature. It will also introduce the students to the difference of American literature, famous Indian writers and India's rich past. Besides, it will introduce the students to different narrative styles adopted by the writers concern.

(b) Programme: B.A Major Courses in English

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 History of English Society and Culture-I (Anglo Saxon to the Restoration)	After completing this course, the learner shall be acquainted with the English society and culture from the Anglo Saxon to the Restoration period. It will also acquaint the students with events, ideas, personalities and texts that form the backbone of each English literary period, with clear awareness of parallel or related trends in the continent.
2	Semester-II	Major-201 History of English Society and Culture-II (From the 18 th Century to 20 th Century)	After completing this course, the learner shall be acquainted with the English society and culture from the 18 th Century to 20 th Century. It will also acquaint the students with events, ideas, personalities and texts that form the backbone of each English literary period, with clear awareness of parallel or related trends in the continent.
3	Semester-III	Major-301 History of English Language	It is believed that learners, after the culmination of this course Part-A: students will be acquainted with the history of the English language but synchronic and diachronic keeping in mind the different elements such as influences, borrowings and

			<p>changes.</p> <p>Part-B: students will be acquainted with the common critical terms and concepts which will enhance their critical skill and sensibility. It will also acquaint them with the major events and characters in classical mythology which will help them connect to western literature as part of larger socio-culture contexts.</p>
		Major-302 Reading Poetry	This course will acquaint the students with major poets and poems from Shakespeare to Elliot.
4	Semester-IV	Major-401 Reading Prose and Fiction	After the culmination of this course, students shall be acquainted with major essayists, non-fictional prose writers and novelists from Bacon to Jane Austen.
		Major-402 Reading fiction	This course will acquaint the students with major English novels from Dickens to Lawrence, keeping in mind the different socio-political contexts of their origin and reception.
5	Semester-V	Major-501 Reading Drama	After the culmination of this course, students shall be acquainted with English drama from Marlowe to Beckett, keeping in mind the cultural contexts of their production and reception.
		Major-502 Criticism-I	This course will acquaint the students with the major critical texts from the classical period to the neo classical period. It will help the student to contextualize critical terms and frames of reference that would useful for the understanding and analysis of literary texts.
		Major-503 Great European Thinkers	This course will acquaint the students with the major philosophical texts from the early modern period to the 20 th Century. It will contextualize philosophical terms and frames of reference that would useful for understanding and analyzing literary texts.
		Major-504 Indian Writing in English	This course will acquaint the students with seminal Indian writing in English texts which will help the students to understand the complexities of Indian life and culture as the relevance of Indian writing in English in the contemporary world.
6	Semester-VI	Major-601 Criticism-II	This course will acquaint the students with the major critical texts from the Romantic period to the 20 th Century. It will help the student to contextualize critical terms and frames of reference that would useful for the understanding and analysis of literary texts.

		Major-602 Literature of the USA	This course will acquaint the students with seminal American texts which will help the students to understand the complexities of American life and culture as the relevance of the American ideals to the Indian situation.
		Major-603 Literature in the Post-colonial world	This course will acquaint the students with the seminal post-colonial novels which will help the student to understand the complex negotiations between the colonizer and the colonized and the transformations in societies and cultures in India and Africa.
		Major-604 Introduction to Linguistic and Phonetics	This course will introduce the students to some basic concepts associated with language. It will also familiarize the students with the sound system of English and English syntax to stimulate effective communication in English.

3 (a) Programme: B.A Pass Course in Education

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Foundations of Education	After completing this course, the learner shall have an understanding of meaning, nature, scope and aims of education. It will also develop an understanding of major components of education and their relationships. Besides, it will impart knowledge on the role of education as an instrument of social change. It will also develop an understanding about curriculum in education.
2	Semester-II	Core-201 Educational Psychology	It is believed that learners, after the culmination of this course, students shall understand the concept of psychology and scope and functions of Educational Psychology. It will help the students to understand the different factors of learning including concepts of motivation, intelligence, and attention and interest memory. It will introduce the students to the concepts of mental health and good adjustment.
3	Semester-III	Core-301 Measurement and Evaluation in Education	It is believed that learners, after the culmination of this course, students shall develop an understanding of the meaning, nature, scope and need of measurement and evaluation. It will familiarize the learners with different types of tools, their characteristics and process of construction. It will acquaint the students with some specific tools to measure intelligence, personality and aptitude. It will also help to develop an understanding of the meaning, nature and application of

			statistics in measurement and evaluation of educational practices.
4	Semester-IV	Core-401 Contemporary Issues of Education	After the culmination of this course, students shall develop an understanding about the significant trends in Indian education. It will develop awareness about various organizations, plans and policies regarding the educational steps in India. It will provide focus on certain major social and national issues related to educational system in India. It will enable the students to know the new trends in the field of modern education in the country, especially the non-formal aspects of Indian education.
5	Semester-V	Core-501 Developmental History of India	After the culmination of this course, students shall be able to understand the development and characteristics of Indian Education of Indian Education. It will introduce the students to significant points of selected educational documents and reports of the different periods of educational changes and development. It will also make the students understand the impact of different socio-political movements and factors/forces on the development of education in India. It will also create awareness of the the emerging changes in Indian education in the 21 st century and the need to prepare for the challenges of the future.
6	Semester-VI	Core-601 Techniques and Methodology of Teaching	After the culmination of this course, students shall be acquainted with the teaching-learning process, lesson plan and audio visual aids and effective methods of teaching. It will enable the students to understand the use of technology in education and communication process.

(b) Programme: B.A Major Courses in Education

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 Philosophical Foundations of Education	After completing this course, the learner shall have an introduction to the meaning, nature and scope of education, Educational Philosophy and relation between Philosophy and Education. It will also provide the students with the Determinants of aims of education and educational aims. Besides, it

			will also provide an understanding of nature and educational implications of western schools of philosophy.
2	Semester-II	Major-201 Sociological Foundations of Education	This course will acquaint the students with the concept, approaches and theories of educational sociology. It will enhance the students' knowledge on the social aspects and processes as related to education, the relationship between education, changes and development. It will also give an understanding of different political ideologies and their bearings on education and social groups, equality and quality in education.
3	Semester-III	Major-301 Educational Psychology	It is believed that learners, after the culmination of this course, students shall understand the concept of psychology and scope and functions of Educational Psychology. It will help the students to understand the different factors of learning including concepts of motivation, intelligence, and attention and interest memory. It will introduce the students to the concepts of mental health and hygiene for adjustment in society.
		Major-302 Measurement and Evaluation in Education	It is believed that learners, after the culmination of this course, students shall develop an understanding of the meaning, nature, scope and need of measurement and evaluation. It will familiarize the learners with different types of tools, their characteristics and process of construction. It will acquaint the students with some specific tools to measure intelligence, personality and aptitude. It will also help to develop an understanding of the meaning, nature and application of statistics in measurement and evaluation of educational practices.
4	Semester-IV	Major-401 History of Indian Education (Upto 1947)	After the culmination of this course, students shall be introduced to the educational heritage of our country. It will provide knowledge on the causes of the social and political changes that took place in India in 18 th and 19 th centuries. It will help the students to understand the impact of soci-political changes of the nationalist movement in India during the early 20 th century. It will also help to understand the role of education in the development of an emergent India.

		<p align="center">Major-402 Great Educators and Educational Thought</p>	<p>This course will acquaint the students with the development of educational thought. It will enhance the students' awareness on the contribution of educators of different countries to educational theories. It will also help the students to make an in-depth analysis of the various issues and problems of Indian education.</p>
5	Semester-V	<p align="center">Major-501 Child Psychology & Child Guidance</p>	<p>After the culmination of this course, students shall be acquainted with the importance of child psychology and the need of guidance for child development. It will provide an understanding about children and new insight about them. It will develop sensitivity towards the needs and rights of children. It will also help to understand the importance of play in child development.</p>
		<p align="center">Major-502 Education in Post-Independent India</p>	<p>This course will acquaint the students with the developments of Indian education since independence. It will introduce the students to the educational changes taking place in India since independence. It will also help the students to understand and appreciate the reasons for the recommendations of the different Educational Commissions since independence. It will enable the students to have an in-depth understanding of the causes for various educational movements and its accompanying challenges..</p>
		<p align="center">Major-503 Educational Technology</p>	<p>This course will acquaint the students with the Educational Technology and its uses in the education system. It will introduce the students to the various uses of mass media and their rapidly expanding dimensions. It will orient students towards class-room communication skills. It will also enable the students to use and innovative methods of educational technology in teaching-learning process.</p>
		<p align="center">Major-504 Techniques and Methodology of Teaching</p>	<p>After the culmination of this course, students shall be acquainted with the teaching-learning process, lesson plan and audio visual aids and effective methods of teaching. It will enable the students to understand the importance of lesson planning in teaching learning process. It will also acquaint the students with different methods and approaches of teaching. Besides, it will provide knowledge about teaching different subjects.</p>
		<p align="center">Major-505 Practice Teaching</p>	<p>After the culmination of this course, students shall develop practical knowledge of a few teaching skills through micro-teaching. It will orient the students in class-room teaching</p>

			through practice teaching. It will also develop the skill of preparing lesson plan for micro and macro teaching.
6	Semester-VI	Major-601 Laboratory Practical	After the culmination of this course, students shall be introduced to experiment psychology. It will teach the students the uses of psychological test and also to learn to report the conduct in psychological laboratory.
		Major-602 Field Report	After completing this course, the learner shall be acquainted with practical knowledge of field work studies. It will provide knowledge of preparing a report after a field visit. It will also familiarize the students with the changing educational realities of today's society.
		Major-603 Educational Management	After completing this course, the learner shall be acquainted with the concepts of management. It will orient the students towards practices of management in education. It will initiate the students towards concepts of planning and finance. It will also help the students to understand the concepts of educational supervision.
		Major-604 Education in World Perspective	After completing this course, the learner shall be acquainted with the educational system of their own country. It will also acquaint the students with the concepts of comparative study in this global world. It will help the students to understand the drawbacks of own countries as compared to others. It will also help the students to plan changes in education in the context of global world and help in reforms.
		Major-605 Emerging Trends in Indian Education	After completing this course, the learner shall be acquainted with the significant trends in Indian education. It will develop awareness among students about various plans and policies regarding the educational set up in India. It will also provide inputs on certain major social and national issues related to educational system in India. Besides, it will make the student aware of the new trends in the field of modern education in the country, specially the non-formal aspects of Indian Education.

4 (a) Programme: B.A Pass Course in Economics

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
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1	Semester-I	Core-101 Microeconomic Theory	After completing this course, the learner shall acquaint with some of the basic concepts of microeconomics. It will enhance the economic reasoning of the students to analyze the behavioural patterns different economic agents and to deal with the advanced theoretical issues and their practical applications.
2	Semester-II	Core-201 Macroeconomics	It is believed that learners, after the culmination of this course, students shall be acquainted with the basic macroeconomic concepts and the theories of macroeconomics.
3	Semester-III	Core-301 Public Economics	It is believed that learners, after the culmination of this course, students shall be acquainted with some basic concepts of public finance along with a reference to the Indian economy.
4	Semester-IV	Core-401 Issues of Indian Economy	After the culmination of this course, students shall be acquainted with the salient features of Indian economy. It will also enable the students to know the performance and problems of the primary, secondary and tertiary sectors of Indian Economy.
5	Semester-V	Core-501 Elementary Statistics for Economics	After the culmination of this course, students shall be acquainted with some statistical data collecting methods and basic statistical methods that can be applied in economics.
6	Semester-VI	Core-601 Development Economics	At the end of this course, students shall be acquainted with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities. This will also enable the students to understand the problems from Indian perspective.

(b) Programme: B.A Major Courses in Economics

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 Microeconomic-I	At the end this course, the learner shall be acquainted with some of the basic concepts of microeconomics. It will enhance the economic reasoning of the students to analyze the behavioural patterns different economic agents and to deal with the advanced theoretical issues and their practical applications. .
2	Semester-II	Major-201 Macroeconomics-I	It is believed that learners, after the culmination of this course, students shall be acquainted with the basic macroeconomic concepts and the theories of macroeconomics.

3	Semester-III	<p style="text-align: center;">Major-301 Microeconomics-II</p>	<p>At the end of this course the students shall understanding of some basic concepts of microeconomics. It will enhance the economic reasoning of the students to analyze the behavioural patterns different economic agents and to deal with the advanced theoretical issues and their practical applications. It will also help the students to understand the decision making process in different market situations, to provide opportunity to the students to deal with the advance theoretical issues and their practical applications and to make them realize that good knowledge of micro-economics is very much important for understanding the modern economy functions.</p>
		<p style="text-align: center;">Major-302 Statistical Methods in Economics</p>	<p>This course will acquaint the students with some basic statistical methods that can be applied in economics.</p>
4	Semester-IV	<p style="text-align: center;">Major-401 Mathematics for Economics</p>	<p>After the culmination of this course, students shall be acquainted with some basic mathematical methods that can be applied in economics.</p>
		<p style="text-align: center;">Major-402 Public Economics-Theoretical issues</p>	<p>This course will acquaint the students with some basic theoretical concepts of public finance which will enable them to understand the practical issues.</p>
5	Semester-V	<p style="text-align: center;">Major-501 Development Economics with Indian Perspective-I</p>	<p>After the culmination of this course, students shall be acquainted with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspective.</p>
		<p style="text-align: center;">Major-502 Public Economics: Policy Issues</p>	<p>This course will acquaint the students with the fiscal policies designed for developed and developing economics with a special thrust to the federal system of India.</p>
		<p style="text-align: center;">Major-503 History of Economic Thought</p>	<p>This course will acquaint the students with the historical developments in the economic thoughts propounded by different schools.</p>
		<p style="text-align: center;">Major-504 Monetary Theories and Financial Markets</p>	<p>This course will acquaint the students with an some basic concepts relating to monetary analysis and financial marketing with reference to Indian financial market, which will enable the learners to relate the conceptual issues to the real world situations.</p>
6	Semester-VI	<p style="text-align: center;">Major-601 Development Economics with Indian Perspective-II</p>	<p>After the culmination of this course, students shall be acquainted with the development issues of Indian Economy. It will also enable the students to understand the development problems of the Northeast India.</p>
		<p style="text-align: center;">Major-602 Environmental Economics</p>	<p>After completing this course, the learner shall be acquainted with the basic concepts of environmental economics along with the solution to the environmental problems.</p>

		Major-603 International Economics	This course will acquaint the students with both real and monetary sides of International Economics. It will also help the students grasp and retain the concepts and thereby to bring excitement of International Economics to the classroom. It will also provide knowledge from traditional to modern, theoretical to analytical developments in International Economics.
		Major-604 Economic Issues of Assam	This course will acquaint the students with the characteristics of the economy of Assam. It will also help the students to know the performance and problems of the primary, secondary and tertiary sectors of Assam.

5 (a) Programme: B.A Pass Course in Geography

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Physical Geography (Part-I)	This course will acquaint the students with the basics concepts of geomorphology, climatology, oceanography.
2	Semester-II	Core-201 Physical Geography (Part-II)	This course will acquaint the students with the Environmental Issues, Ecological Concepts, Biogeography and Soil Study.
3	Semester-III	Core-301 Human & Population Geography	This course will acquaint the students with the basics concepts of human geography and population geography.
		Core-302 Practical	This course will acquaint the students with the basics concepts of Toposheet and profile drawing and Climate data Study.
4	Semester-IV	Core-401 Regional Geography of India	This course will acquaint the students with the basics concepts of Physical frame work of India, Economic Characteristics and population and North-East India.
		Core-402 Practical	This course will acquaint the students with the basics concepts of Projections and Surveying.
5	Semester-V	Core-501 Economic Geography	This course will acquaint and introduce the students with the basics concepts of economic geography.
		Core-502 Practical	This course will acquaint the students with the basics concepts of statistical methods and cartograms.
6	Semester-VI	Core-601 Regional Geography of the World	This course will acquaint the students with the basics concepts of regional geography of Asia and Europe.
		Core-602 Practical	This course will acquaint the students with the basics concepts of computer drawing and preparation of field report.

6 (a) Programme: B.A Pass Course in History

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 History of Assam: 1228-1826	After completing this course, the learner shall be in a position to have a general outline of the history of Assam from the 13 th century to the occupation of Assam by the English East India Company in the first quarter of the 19 th century. It will acquaint the students with the major stages of development in the political, social and cultural history of the state during the medieval times.
2	Semester-II	Core-201 History of Assam: 1826-1947	It is believed that learners, after the culmination of this course, students shall be acquainted with the main currents of the socio-political and economic developments in Assam during the colonial period.
3	Semester-III	Core-301 History of Europe: 1453-1815	It is believed that learners, after the culmination of this course, students shall be acquainted with the major developments in European political-economic scenario since Renaissance till the end of the French Revolution.
4	Semester-IV	Core-401 History of India from the earliest times to 1526	After the culmination of this course, students shall be acquainted with the general outline of the history of India from the known earliest times to the coming of the Mughals to India in the first quarter of the 16 th century. It will give them a comprehensive idea of the developments in all spheres of life during this period.
5	Semester-V	Core-501 History of India:1526-1947	After the culmination of this course, students shall be acquainted with the general course of events in the field of political, social, cultural and economic affairs in India from the foundation of the Mughal Empire in 1526 till Independence in 1947.
6	Semester-VI	Core-601 (Optional-I) History of Ecology and Environment in India	After the culmination of this course, students shall be acquainted with the new discipline of ecological and environmental history. It intends to familiarize them with the relation between ecology and human civilization with particular reference to post independence India. It also attempts to bring the pupils to the understanding of the social and economic conflicts emerging due to environmental factors.

		<p>Core-601 (Optional-II) Women in Indian History</p>	<p>After completing this course, the learner shall be in a position to have a general idea of the Feminist Movement, the key concepts in women's studies as well as sources for reconstructions of Women's History. It will also describe the status of Women in Indian Society during the Vedic and Medieval period. Further, the Reform Movement as well as the role of women in India's Freedom Struggle will also be dealt with.</p>
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(b) Programme: B.A Major Courses in History

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	<p>Major-101 Introduction to History and Its Sources</p>	<p>After completing this course, the learner shall have an introduction to the basics of the discipline of History and acquaint them to the understanding of its sources in their varied forms, contents, uses and analysis.</p>
2	Semester-II	<p>Major-201 Early and Medieval Assam upto 1826</p>	<p>This course will acquaint the students with the political history of Assam from the earliest times to its occupation by the English East India Company in the first quarter of the 19th Century. The students will also acquaint with major and significant stages of developments in the course of the history of the state of Assam since early times.</p>
3	Semester-III	<p>Major-301 History of Assam: 1826-1947</p>	<p>It is believed that learners, after the culmination of this course, students shall understand different aspects of changes and developments in the socio-political and economic life in Assam during the colonial period.</p>
		<p>Major-302 Social and Economic History of Assam</p>	<p>This course will acquaint the students with the socio-economic history of ancient, medieval and colonial Assam. The development of caste system, religious beliefs, agriculture and land system, the social organization, trade and commerce, various agricultural regulations, plantation economy, development of modern industries, transport system, education, the emergence of middle class, development of literature and press and growth of Public Association.</p>

4	Semester-IV	<p>Major-401 History of India (from the earliest times to 1200 A.D)</p>	<p>After the culmination of this course, students shall be acquainted with the emergence of state system in North India, the development of imperial state structure, the state formation in the Deccan and in South India in the early period. It will also provide knowledge of the changes and transformations in policy, economy and society in the early period and the cultural interaction of early India with the Southeast Asian Countries.</p>
		<p>Major-402 History of India (from 1200 – 1750 A.D)</p>	<p>This course will acquaint the students with political development in India between 1200-1750. It will also provide with the understanding of the states in Medieval Times, Administrative apparatus and society, economy and culture of India in Pre- Modern Period.</p>
5	Semester-V	<p>Major-501 History of India (1750 -1947 A.D.)</p>	<p>After the culmination of this course, students shall be acquainted with the major factors that led to the establishment and consolidation of the British rule in India. It will also provide knowledge on the process of the growth of nationalist movement, which ultimately led to the end of the British colonial rule in the country.</p>
		<p>Major-502 History of Europe (1453 - 1815 A.D.)</p>	<p>This course will acquaint the students with the major trends and developments that took place in Europe which ushered in the Modern Age.</p>
		<p>Major-503 History of Europe (1815 - 1945 A.D.)</p>	<p>This course will acquaint the students with the major political developments in Europe from 1815 to 1945. It will also provide understanding of the courses of transition of the continent from nation states to the major colonial powers.</p>
		<p>Major-504 Tourism in Northeast India; Historical Dimensions</p>	<p>This course will acquaint the students with an idea about Tourism in North-East India with special reference o the historical monuments and places of the Northeastern region of the country as heritage of the nation. It will also acquaint them with the growing vocation of tourism as an industry and the applicability of historical knowledge for its growth.</p>
6	Semester-VI	<p>Major-601 History of Ecology and Environment in India</p>	<p>After the culmination of this course, students shall be acquainted with the new discipline of ecological and environmental history. It intends to familiarize them with the relation between ecology and human civilization with particular reference to post independence India. It also attempts to bring the pupils to the understanding of the social and economic conflicts emerging due to environmental factors.</p>

		Major-602 Women in Indian History	After completing this course, the learner shall be in a position to have a general idea of the Feminist Movement, the key concepts in women's studies as well as sources for reconstructions of Women's History. It will also describe the status of Women in Indian Society during the Vedic and Medieval period. Further, the Reform Movement as well as the role of women in India's Freedom Struggle will also be dealt with.
		Major-603 World Revolutions	This course will acquaint the students to the significant historical changes in the socio-political and economic life in the world beginning with the 17 th century European enlightenment to the coming of Globalization.
		Major-604 History of Science and Technology in India	This course will acquaint the students with the developments in Indian Science and technology since early times in order to create in them an understanding of the country's contributions towards the growth of scientific research and technological developments in the world.

7 (a) Programme: B.A Pass Course in Home Science

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Human Development	After completing this course, the learners will be acquainted with the pattern of growth and development at different age level (upto 19 years)
2	Semester-II	Core-201 Family Dynamics and Community Health and Nutrition	It is believed that learners, after the culmination of this course, shall be acquainted with the family structure and its function. It will also make them aware of family laws.
3	Semester-III	Core-301 Advance Nutrition (Theory)	It is believed that learners, after the culmination of this course, shall be acquainted with the function of food and the role of various nutrients, their requirements and effects of deficiency and excess (in brief). It will also make the students familiar with the different methods of cooking and food preservation and their advantage and disadvantage. Besides, it will acquaint the students with diet therapy for common disorder.
		Core-302 (Practical)	This course will enhance the students' practical knowledge of weights and their equivalent measure. It will also enhance their knowledge of menu planning and preparation of food for different age groups, preservation methods and therapeutic diet.

4	Semester-IV	Core-401 Family Resource Management (Theory)	After the culmination of this course, students shall be acquainted with the principles of planning residential space, able to choose furnishing material and arrangements of different space. It will also enhance students' knowledge on the importance of wise use of resources in order to achieve goal.
		Core-402 (Practical)	This course will enhance the students' practical knowledge of elements of design-line, form, colour, texture, pattern etc. It will also enhance their knowledge of arrangement of furniture in different rooms and kitchen planning and flower arrangement as well as planning of budget.
5	Semester-V	Core-501 Clothing & Textiles (Theory)	After the culmination of this course, students shall be acquainted with the different textiles and their performance and finishes. It will also impart knowledge on the basic principles of dyeing and printing and care of clothing.
		Core-502 (Practical)	This course will enhance the students' practical knowledge of different textiles and their performance and finishes. It will also impart practical knowledge on dyeing and printing and care of clothing.
6	Semester-VI	Core-601 Extension Education (Theory)	After the culmination of this course, students shall be acquainted with the process of organization of people for their own development. It will also acquaint them with different extension programmes.
		Core-602 (Practical)	This course will enhance the students' practical knowledge of the process of organization of people for their own development. It will also acquaint them with different extension programmes.

(b) Programme: B.A Major Courses in Home Science

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 Introduction to Home Science	After completing this course, the learner shall have an enabled to acquire the knowledge and skills required for holistic understanding of the field of Home Science. It will also enable the students to acquire the knowledge and competence to teach and practice Home Science in relevant setting.
2	Semester-II	Major-201 Life Span Development (Part-I)	This course will acquaint the students with an understanding of human development and family studies with a life span approach. It will also create competent and skilled professionals to work in the areas of childhood care and education.

3	Semester-III	Major-301 Introduction to clothing and textiles (Theory)	This course will give the students an introduction to clothing, textiles and yarn making.
		Major-302 (Practical)	This course will acquaint the students with the practical knowledge on identification of textile fiber with microscopic and burning test of cotton, wool, silk and man-made fiber. It will also enable students to learn basic hand stitches, constrictive stitches-seam and seam finishes and decorative stitches.
		Major-303 Housing and Interior Decoration (Theory)	This course will acquaint the students with an understanding to the application of art principles in design, composition of traditional and contemporary art, architecture and interior design.
		Major-304 (Practical)	This course will acquaint the students with the practical knowledge on application of art principles in design, composition of traditional and contemporary art, architecture and interior design.
4	Semester-IV	Major-401 Food and Nutrition (Theory)	After the culmination of this course, students shall be acquainted with the functions and sources of nutrients. It will also impart knowledge about effect of cooking and preservation on various nutrients.
		Major-402 Food and Nutrition (Practical)	This course will acquaint the students with the practical knowledge of weights and their equivalent measures. It will also enhance their knowledge of common terms used in cooking.
		Major-403 Applied Textile Designing (Theory)	After the culmination of this course, students shall be acquainted with the knowledge regarding Design & mode of textile production and textile designing, the basic principles of dyeing and printing. It will also provide knowledge about traditional Indian woven textile and costumes and traditional Indian embroidered textiles.
		Major-404 (Practical)	This course will acquaint the students with the knowledge of structural design and decorative design, naturalistic, geometrical and stylized motif, enlarging and reducing a motif, placement of design/motif. It will also provide knowledge about Indian traditional embroidery, dyeing etc.
5	Semester-V	Major-501 Family Nutrition	After the culmination of this course, students shall be acquainted with the understanding the functions and sources of nutrients. It will also provide knowledge on factors affecting meal planning, balanced diet.
		Major-502 Dietetics and Dietary Management	This course will acquaint the students with the knowledge of dietary consultancy in various settings. It will enable the students to understand the responsibilities of Dietician

			and also enable the students to plan and prepare therapeutic diet.
		Major-503 Family Resource Management	This course will enable the students to develop an appreciation of role of successful financial management in satisfying family living.
		Major-504 Practical	This course will enhance the students practical knowledge on family nutrition, Dietetics and dietary management and House planning and Resource Management.
6	Semester-VI	Major-601 Family Clothing and Construction	After the culmination of this course, students shall be acquainted with the knowledge regarding the factors that affect making clothes for the family and from the stand point of fabric, activity, growth and development. It also enables the students to develop skills in dress making and also makes the students aware of consumer problems in textiles and clothing.
		Major-602 Life Span Development and Children with Special Needs	After completing this course, the learner shall be in a position to appreciate the special needs of children with differently disable and disorders. It will provide insights into the causes of disability and disorders in children and into their prevention and treatment.
		Major-603 Home Science Extension and Education	This course will enable the students to the understanding the process of organizing people for their development. It will acquaint the students with different extension programmes. It will also enable the students to be sensitive to the educational needs of adults and children from low socio-economic groups.
		Major-604 Practical	This course will enhance the students practical knowledge on Home Science Extension and Education, Family Clothing Construction and life span development and children with special needs.

8 (a) Programme: B.A Pass Course in Philosophy

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Indian Philosophy (Part-I)	After completing this course, the learners will be acquainted with the basic issues and problems of Philosophy as discussed in Indian tradition. This will also acquaint the students with Indian logic, epistemology, metaphysics and morality of different systems of Indian thought.

2	Semester-II	Core-201 Western Philosophy (Part-I)	It is believed that learners, after the culmination of this course, shall be acquainted with metaphysical, epistemology and axiological problems like theories of knowledge, theories of truth, theories of reality, categories of knowledge and some contemporary issues from western perspective.
3	Semester-III	Core-301 Indian Philosophy (Part-II)	It is believed that learners, after the culmination of this course, shall be acquainted with the basic issues and problems of philosophy as discussed in Indian tradition. This will also acquaint the students with Indian logic, epistemology, metaphysics and morality of different systems of Indian thought in detail along with a general outlook of Indian philosophy from the Vedas, Gita and the Upanishads and Ahimsa of Gandhian philosophy.
4	Semester-IV	Core-401 Western Philosophy (Part-II)	After the culmination of this course, students shall be acquainted with the theories of reality and an introduction of values. It will also acquaint them with the moral aspects of human existence, nature of moral philosophy and the main types of ethical theories like the virtue ethics, theological ethics, deontological ethics etc. from western perspective.
5	Semester-V	Core-501 Logic (Indian & Western)	After the culmination of this course, students shall be acquainted with the basic elements of Western and Indian logic including both induction and deduction process.
6	Semester-VI	Core-601 Social Philosophy & Psychology	After the culmination of this course, students shall be acquainted with the philosophical basis of social life. It will also give knowledge about the psychological aspects of human.

9 (a) Programme: B.A Pass Course in Political Science

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Core-101 Political Theory	After completing this course, the learner shall be acquainted with the knowledge of the basic concepts and ideological orientations of the discipline. It will also acquaint the students with the development of the discipline.
2	Semester-II	Core-201 Indian Government and Politics	It is believed that learners, after the culmination of this course, students shall be acquainted with the processes and dynamics of Indian politics. It will also familiarize the students with the vital contemporary emerging issues of our times such as changing pattern or Centre-State relations, changing role of political parties, emergence of new leadership at different levels,

			demand for autonomy movement, separate movement, ethnic conflict etc.
3	Semester-III	Core-301 Public Administration	After completing this course, the learner shall be acquainted with the basic concepts, principles and dynamics of Public Administration. It will also familiarize the students with the fundamental concepts. It will also introduce the students to some of the vital contemporary concerns of our times such as New Public Administration.
4	Semester-IV	Core-401 International Relations	After the culmination of this course, students shall be acquainted with the important theories and issues of International Relations which will help to have a proper understanding of the contemporary International Issues.
5	Semester-V	Core-501 Administration of Rural Development in India	After the culmination of this course, students shall be acquainted with the problems and prospects of rural development in India. It will enable the students to understand the approaches to rural development, objectives of the various RDPs, implementing Agencies, infrastructure to rural development etc.
6	Semester-VI	Core-601 Human Rights	After the culmination of this course, students shall be acquainted with the basic concepts and issues concerning human rights and will acquaint the students with the contemporary challenges.

(b) Programme: B.A Major Courses in Political Science

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 Western Political Thought	After completing this course, the learner shall have an introduction to the contribution of the main traditions of western political thinkers to political thought.
2	Semester-II	Major-201 Indian Government and Politics	It is believed that learners, after the culmination of this course, students shall be acquainted with the processes and dynamics of Indian politics. It will also familiarize the students with the vital contemporary emerging issues of our times such as changing pattern or Centre-State relations, changing role of political parties, emergence of new leadership at different levels, demand for autonomy movement, separate movement, ethnic conflict etc.
3	Semester-III	Major-301 Public Administration	After completing this course, the learner shall be acquainted with the basic concepts, principles and dynamics of Public Administration. It will also familiarize the students with the fundamental concepts. It will

			also introduce the students to some of the vital contemporary concerns of our times such as New Public Administration.
		Major-302 International Relations	After the culmination of this course, students shall be acquainted with the important theories and issues of International Relations which will help to have a proper understanding of the contemporary International Issues.
4	Semester-IV	Major-401 Comparative Politics	After the culmination of this course, students shall be acquainted with the diverse political systems especially of the developed countries along with China and Switzerland. It will also acquaint the students with the innovative concepts of comparative politics.
		Major-402 Politics of North East India with special reference to Assam	This course will acquaint the students with the sensitive peripheral states of India that has attracted the attention of the social scientists since a few years back. It will also enhance the students concerns of their own area.
5	Semester-V	Major-501 Political Theory	After completing this course, the learner shall be acquainted with the knowledge of the basic concepts and ideological orientations of the discipline. It will also acquaint the students with the development of the discipline.
		Major-502 Indian Political Thought	This course will acquaint the students with the contribution of the main traditions of Indian political thought.
		Major-503 Indian Foreign Policy	This course will acquaint the students with the evolution, development and trends of India's foreign policy.
		Major-504 International Law	This course will acquaint the students with the basics of International law and law-trends in the realm of International Law.
6	Semester-VI	Core-601 Human Rights	After completing this course, students shall be acquainted with the basic concepts and issues concerning human rights and will acquaint the students with the contemporary challenges.
		Core-602 Introduction to Women's Studies	After completing this course, the learner shall generate sensitization for women's issues and problems. It will also introduce the basic concepts and theories to facilitate the understanding of women's and women's activism in India and the West.
		Core-603 Administration of Rural Development in India	After the culmination of this course, students shall be acquainted with the problems and prospects of rural development in India. It will enable the students to understand the approaches to rural development, objectives of the various RDPs, implementing Agencies, infrastructure to rural development etc.

		<p style="text-align: center;">Core-604 Indian Administration</p>	<p>This course will acquaint the students with the cultural, social, political, economic and constitutional environment as a historical perspective of Indian Administration. It will help students to understand the nature, character and behaviours of Indian Administration. It will also help the students to know various changes and developments, trends and patterns emerging in Indian Administration.</p>
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10 (a) Programme: B.Sc. Pass Course in Sociology

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	<p style="text-align: center;">Core-101 General Sociology</p>	<p>After completing this course, the learners will be acquainted with the discipline and its emergence, notions and concepts. It will also help the students to understand some introductory conceptual knowledge of sociology.</p>
2	Semester-II	<p style="text-align: center;">Core-201 Society in India</p>	<p>It is believed that learners, after the culmination of this course, shall be acquainted with the basic features of Indian society since ancient times to the present. It will also acquaint the students with some of the major social Institutions of India from Sociological Perspectives and the various processes of social change and problems of Indian society.</p>
3	Semester-III	<p style="text-align: center;">Core-301 Techniques of Social Research</p>	<p>It is believed that learners, after the culmination of this course, shall be acquainted with the basic premises of social research including the various steps for formulation of research plan, techniques of data collection, data analysis and finalization of research report.</p>
4	Semester-IV	<p style="text-align: center;">Core-401 Sociological Thought</p>	<p>After the culmination of this course, students shall be acquainted with the sociological thoughts concerning the origin and development of sociology in the Western Social Thought. It will also enable the students to know the contributions of the classical thinkers.</p>
5	Semester-V	<p style="text-align: center;">Core-501 Social Problems in India</p>	<p>After the culmination of this course, students shall be acquainted with the conceptual meaning, nature and intensity up to the gravity of social problems, welfare and security of India. It will also provide knowledge on the government's plans and programmes undertaken for the welfare and security for people.</p>

6	Semester-VI	Core-601 Sociology of Rural Development	After the culmination of this course, students shall be acquainted with the process of rural modernization which are considered important for rural upliftment. It will help the students to have knowledge on plan and programmers of Rural Development undertaken by Government, NGOs and other such agencies.
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(b) Programme: B.Sc. Major Courses in Sociology

Sl. No	Semesters	Paper/Course	Expected Learners Outcome
1	Semester-I	Major-101 Principles of Sociology	After completing this course, the learner shall acquaint with Sociology as a discipline and its background of emergence as a discipline in the west and in India. Students will also be acquainted with the basic concepts of sociology along with its position in social science.
2	Semester-II	Major-201 Indian Social System	This course will acquaint the students with the conceptual framework of Indian Social System. It will enable the students to understand the dynamics of social institutions. It will provide theoretical as well as methodological perspectives of studying Indian Society.
3	Semester-III	Major-301 Theoretical Perspectives in Sociology	This course will acquaint the students with classical, modern and Indian Sociological thinkers with an analytical and cognitive approach.
		Major-302 Sociology of Social Change	After the culmination of this course, students shall acquire the theoretical knowledge on Social Change and Development. It will enable the students to understand the processes of Change and Development in Society.
4	Semester-IV	Major-401 Social Survey, Research and Statistics	After the culmination of this course, students shall be acquainted with conceptual meaning of Sociology of Development. It will enable the students to understand the scope, models, aspects of Economic Development along with socio-economic planning.
		Major-402 Social Problems and Social Welfare	After the culmination of this course, students shall be acquainted with the fundamentals and the emerging issues of social problems, social welfare and security from the sociological perspective.
5	Semester-V	Major-501 Sociology of Development	After the culmination of this course, students shall be acquainted with the meaning of sociology of development. It will provide inputs on socio-economic development as well as self reliance, social justice or modernization.

		Major-502 Society in North East India	This course will acquaint the students with the historical background of the North East Frontier Region as an unique sociological spot of observation as it has been occupied by different ethnic groups of people with diverse cultural traits and preservation of respective social system.
		Major-503 Understanding Social Psychology	This course is to acquaint the students with the basic understanding of social psychology. It will also help the students to develop their own personality in the society.
		Major-504 Sociology of Mass Communication	This course will acquaint the students with sociological understanding of Mass-Communication. It will also help the students to develop their process of interaction in day-to-day and everyday working life.
6	Semester-VI	Major-601 Globalization and Society	After the culmination of this course, students shall be acquainted with the characteristics of and the issues relating to globalization. It will also introduce the students to the nature and dynamics of globalization, various agencies involved in this process and examines its socio-economic and cultural impact.
		Major-602 Science, Technology and Society	After completing this course, the learner shall be acquainted with sociological understanding of science and technology. It will also enable the students to learn the impact of science and technology on the society.
		Major-603 Sociology of Industry	This course will enable the students to have a theoretical knowledge on Sociology of Industry. It will help students to understand the social Structure of Industry and its practical aspects.
		Major-604 Sociology of Health and Hospital Management	This course will introduce the students to the concepts of health and as a discipline of social science. It will enable the students to understand the inter relationship between society and health, the problems of health in India in its dimensions and also the relationship between political economy and health at national and international levels.

11 (a) Programme: B.Sc. Pass Course in Botany

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	BOTG-101 Lower Cryptogams (Algae, Fungi, Bacteria & Virus, Plant Pathology, Lichen)	This course will introduce the undergraduate students with the basic knowledge of the structure, forms and reproduction of thallophytes.
		BOT-102	This course will acquaint the student of

		Practical	vegetative morphology and reproductive structure of selected representative groups. (Algae/Fungi, Bacteria, Plant pathology)
3	Semester-II	BOTG-201 Bryophytes, Pteridophytes & Gymnosperms	This course will introduce the undergraduate students with the basic knowledge of structure, forms and reproduction, evolution of tissue systems, seed habit in higher cryptograms & Gymnosperms.
		BOT-202 Practical	This course will acquaint the student of vegetative morphology and reproductive structure of selected representative groups. (Bryophyte, Pteridophyte, Gymnosperms)
4	Semester-III	BOTG-301 Morphology, Taxonomy, Development and Reproduction of Angiosperms	This course will introduce the undergraduate students with the terminologies used in description of angiospermic plants, basic knowledge of plant classification, tissues & tissue systems, development of primary & Secondary plant bodies and development of male & Female reproductive components & their functions.
		BOTG-302 Practical based on the Botany Course V	This course will acquaint the student of vegetative morphology and reproductive structure of selected species, tissue differentiation by double staining technique, permanent slides of embryology. (Morphology and taxonomy, Development and reproduction.)
5	Semester-IV	BOTG-401 Physiology & Economic Botany	This course will introduce the undergraduate students with the basic knowledge of physiological activities of plant through the mechanisms of absorption of inorganic components & production and functions of organic components & role of external factors upon them.
		BOTG-402 Practical	This course will performance of simple physiological experiments from the prescribed course. (Phenomenon of inhibition, Phenomenon of plasmolysis etc.)
6	Semester-V	BOTG-501 Cytogenetics, Evolution & Biostatistics	This course will introduce the undergraduate students with the basic knowledge of structures & function of cell and cell organelles, genetic materials, principles of genetics, modern concepts of evolution and the statistical tools useful in biology.
		BOTG-502 Practical	This course will acquaint with the practical knowledge of chromosomal stains and study of chromosomes by smearing the root tips using proper stains.
7	Semester-VI	BOTG-601 Biochemistry, Plant Ecology and Plant Geography	This course will introduce the undergraduate students with the basic knowledge of acid base concept and its importance, importance of macromolecules, ecological importance of plants, their distribution and ecosystem

		structure & functions of ecosystem.
	BOTG-602 Practical	This course will acquaint the students with the practical knowledge of Biochemistry & Plant Ecology and Phytogeography.

(b) Programme: B.Sc. Major Course in Botany

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	BOTM-101 Algae, Fungi and Lichen	This course will provide basic knowledge of thallus, morphology, reproduction and evolution of lower cryptograms and plant pathology.
		BOTM-102 Practical (Algae, Fungi & Lichen)	This course will acquaint the students to prepare, drawing, description and identification of the types prescribed for study in theory syllabus and microscopic measurements and camera lucida drawing of fungal types.
3	Semester-II	BOTM-201 Plant Pathology and Bryophytes	This course will provide fundamental knowledge on the structure, morphology, reproduction, alternation of generation and tissue organization and spore dispersal mechanisms in Bryophytes.
		BOTM-202 Practical (Plant Pathology & Bryophytes)	This course will acquaint the students to prepare, drawing, labelling, description and identification of the types prescribed in the theory syllabus and microscopic measurements and camera lucida drawing of pathogen types.
4	Semester-III	BOTM-301 Pteridophytes, Gymnosperms and Palaeobotany	This course will provide comparative account of structural morphology, distribution anatomy, reproduction and evolution of seed habit in higher cryptograms; special emphasis is to be given on the stellar structure and evolutionary links.
		BOTM-302 Practical	This course will acquaint the student to prepare of slides by cutting section drawing, labelling, description and identification of the types, prescribed in the theory syllabus.
		BOTM-303 Microbiology and Biotechnology	This course will introduce the students with the basic knowledge of microbiology and biotechnology in the light of recent developments.
		BOTM-304 Practical	This course will acquaint the students to use of Hot air oven, autoclave, incubator, sterilization techniques/methods, preparation of different types of media and cultures, dilution plate technique, staining of bacteria, slide preparations, demonstration of hybridization and tissue culture techniques.
		BOTM-401 Morphology and	This course will provide fundamentals of angiosperm morphology and classification wit

5	Semester-IV	Taxonomy of Angiosperms	special reference to the polygenetic relationship of various taxa.
		BOTM-402 Practical	This course will acquaint the student to describe the plants in simple technical language and identify up to genera with the help of identifying keys.
		BOTM-403 Cell Biology and Modern Laboratory Technique	This course will provide fundamental knowledge of structural and functional aspects of cell and cell organelles and the tools and techniques used in modern biological study.
		BOTM-404 Practical	This course will acquaint the students with practical knowledge of Cell biology and Modern Laboratory Technique.
6	Semester-V	BOTM-501 Development and Reproduction in Angiosperm	This course will provide fundamental knowledge of structural and fundamental aspects of cell and cell organelles and the tools and techniques used in modern biological study.
		BOTM-502 Practical	This course will acquaint the student with the knowledge of Development in Angiosperm and Reproduction in Angiosperm.
		BOTM-503 Genetics & Plant Breeding, Biostatistics	This course will introduce the students with the basic knowledge on plant genetics and application of genetic for improvement of crop, application of statistics in biology.
		BOTM-504 Practical	This course will acquaint the student of concept of fixation, staining and squashing/smearing of materials for chromosome preparation. Temporary aecto-cramine and aceto-orcein smear preparations of roof tips and flower buds.
		BOTM-505 Fundamental and Chemical Biology	This course will introduce the students with basic knowledge if modern approaches to functional and chemical biology of plant.
		BOTM-506 Practical	This course will acquaint the student with the practical knowledge of Qualitative analysis of secondary metabolites in different plant samples, Quantitative estimation of secondary metabolites in different plant samples etc.
		BOTM-507 Plant Ecology, Phytogeography and Evolution	This course will introduce the students with the basic principles and concepts of plant ecology, structure & function of natural plant units, habitat degradation and role of plant on improvement of habitat, conservation ecology, phytogeography & evolution.
		BOTM-508 Practical	This course will acquaint the student with the practical knowledge of Plat ecology, Phytogeography etc.
		BOTM-601 Plant Physiology	This course will introduce the students with the basic knowledge on major physiological aspects of plants.
		BOTM-602 Practical	This course will acquaint the students with practical knowledge of Osmosis in plant

7	Semester-VI		tissues, determination of osmotic pressure and suction pressure, root plant tissues etc.
		BOTM-603 Molecular Biology and Immunology	This course will introduce the students with the fundamentals of molecular biology and immunology.
		BOTM-604 Biophysics and Bioinformation	This course will introduce the students with the tools and techniques of physical and computer sciences used in biological study.
		BOTM-605 Practical	This course will acquaint the students with the practical knowledge of Molecular biology and immunology and Biophysics and Bioinformatics.
		BOTM-606 Agrotechnology and sustainable Utilization of Plants	This course will provide comprehensive knowledge of usefulness of plant resources for human welfare.
		BOTM-607 Practical	This course will acquaint the students with the practical knowledge of Collection of useful plants/plant parts, Determination of protein, fat, oil content of certain materials etc.

12 (a) Programme : B.Sc. Pass Course in Chemistry

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	CHMG-101 Inorganic, Physical & Organic	This course (Inorganic) will acquaint the students with atomic structure, chemical bonding and molecular structure, molecular orbit approach. Physical : Kinetic theory of gases, liquid and solid state. Organic : Introduction to organic chemistry, stereo chemistry, concept of symmetry, optical & geometrical isomerism, Aliphatic, Alkynes and aromatic hydrocarbons.
2	Semester-II	CHMG-201 Inorganic Chemistry	This course will acquaint the students with coordination chemistry and inorganic material chemistry, chemistry of non-metals and general principal of metallurgy.
		CHMG-202 Practical	This course will provide practical knowledge on inorganic qualitative analysis and inorganic preparation.
	Semester-III	CHMG-301 Organic Chemistry	This course will acquaint the students with Alkyl and aryl halides, Alcohols, phenols and ether etc.
		CHMG-302 Practical	This course will provide practical knowledge on organic qualitative analysis, purification of organic compound by crystallization and criteria of purity.
	Semester-IV	CHMG-401 Physical Chemistry	This course will acquaint the students with solutions, ionic equilibrium, chemical kinetics, chemical thermodynamics and first and second

			law.
		CHMG-402 Practical	This course will acquaint the students with the practical knowledge of surface tension measurement, surface tension of solutions by stalagmometer and study of the variation of surface tension of a detergent solution with concentration.

(b) Programme : B.Sc. Major Course in Chemistry

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	CHMM-101 Physical, Inorganic and Organic Chemistry	Physical : This course will acquaint the student with gas, liquid, solids. Inorganic : Periodic properties, bonding and structure. Organic : Basics of organic chemistry and stereo chemistry.
2	Semester-II	CHMM-201 Physical, Inorganic and Organic Chemistry	Physical : Chemical thermodynamics I & II. Inorganic : Noble gas, Boron, carbon, silicon, nitrogen, etc. & metals. Organic : Carbon-carbon sigma and pi bonds, cycloalkanes and conformational analysis and aromatic hydrocarbons.
3	Semester-III	CHMM-301 Inorganic Chemistry-I	This course will acquaint the students with coordination compounds, inorganic reaction mechanism and chemistry of d-and f- block elements.
		CHMM-302 Practical	This course will acquaint the students with practical knowledge of inorganic qualitative analysis, radicals, including interfering radicals.
		CHMM-303 Organic Chemistry	This course will acquaint the students with chemistry of Halogenated Hydrocarbons Alkyl halides, chemistry of C-O bond and Carbonyl Compounds etc.
		CHMM-304 Practical	This course will acquaint the students with practical knowledge of qualitative analysis, purification of organic compounds by crystallization.
4	Semester-IV	CHMM-401 Physical Chemistry-I	This course will acquaint the students with conductance, electro chemical cells and system of variable composition and chemical equilibrium.
		CHMM-402 Practical	This course will acquaint the students with practical knowledge of the coefficient of viscosity of solutions by Ostwald viscometer. It also helps the student to determine the surface tension of solution by Stalagmometer, preparation of buffer solution etc.
		CHMM-403 Organic Chemistry-II	This course will acquaint the student with active methylene compounds, nitrogen

			containing functional groups, Amino acids and proteins etc.
		CHMM-404 Practical	This course will acquaint the students with practical knowledge of organic preparation, chromatographic separation of mixtures, compounds and Rf value calculation.

13 (a) Programme : B.Sc. Pass Course in Mathematics

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	MTHG-101 (A) Classical Algebra (B) Trigonometry and (C) Vector Calculus	This course will acquaint the students with the classical ideas of Algebraic and analytic structure. It will also acquaint the students with the developments of the generalized notions of trigonometry. Besides, the student will have an orientation towards the vectorial notions of multivariable calculi.
2	Semester-II	MTHG-201 (A) Matrices (B) Ordinary Differential Equations (C) Numerical Analysis	This course will acquaint the students with the use of matrix methods for solving liners equations. It will give ideas on the basics of differential equations and also about the numerical methods of obtaining results where complexity of obtaining analytical solutions is sufficiently high.
	Semester-III	MTHG-301 (A) Co-ordinate Geomtry (B) Analysis	This course will provide the students with a deeper understanding of Co-ordinate geometry and a broader insight towards the analytical aspects of Mathematics.
	Semester-IV	MTHMG-401 (A) Linear Programming Problem (B) Computer Lab	This course will acquaint the students with the knowledge to formulate and solve various practical models using Linear Programming Techniques and also by using Computer Laboratory (Matlab or Mathematica). It will also help the students to attain computational proficiency in dealing with Mathematical Software.

(b) Programme: B.Sc. Major Course in Mathematics

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	MTHM-101 (A) Classical Algebra (B) Trigonometry and (C) Vector Calculus	This course will acquaint the students with the classical ideas of Algebraic and analytic structure. It will also acquaint the students with the developments of the generalized notions of trigonometry. Besides, the student will have an orientation towards the vectorial notions of multivariable calculi.
2	Semester-II	(A) Matrices (B) Ordinary Differential Equations	This course will acquaint the students with the use of matrix methods for solving liners equations. It will give ideas on the basics of

		(C) Numerical Analysis	differential equations and also about the numerical methods of obtaining results where complexity of obtaining analytical solutions is sufficiently high.
3	Semester-III	MTHM-301 Analysis (Real)-I	This course will acquaint the student with Analysis (Real) and help them to identify the analytical aspects of Mathematical concepts.
		MTHM-302 (A) Co-ordinate Geomtry (B) Algebra	This course will provide the students with a deeper understanding of co-ordinate geometry and a broader insight towards the analytical aspects of Mathematics.
4	Semester-IV	MTHM-401 (A) Computer Programming (B) Computer Lab	This course will provide the students with the knowledge to formulate simple programming for numerical evaluation of computational problems. By computer laboratory the students will be exposed to a hand on experience on various Mathematical Software.
		MTHM-402 (A) Linear Programming Problem (B) Analysis-II	This course will acquaint the students with the Mathematical knowledge to determine the linear programming problems of Operational Research and also to solve those using LPP techniques. Besides, students will be exposed to the further analytical aspects of Mathematical concepts.

14 (a) Programme : B.Sc. pass course in Physics

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	PHYG-101 Mechanics & Thermodynamics	This course will acquaint the student with the mechanical properties of mater in the solid & liquid state. It will provide the students with the concepts of mechanical and thermal properties of mater.
2	Semester-II	PHYG-201 Optics	This course will acquaint the students with refraction, diffraction and Polarization of light. It will also through light on Huygen's theory and Brewster's law.
		PHYG-202 Practical	This course will provide practical knowledge on acceleration due to gravity, surface tension, coefficient of viscosity of water etc.
3	Semester-III	PHYG-301 Electricity, Magnetism and Electromagnetic Theory	This course will acquaint the students with Electricity, Magnetism and Electromagnetic Theory
4	Semester-IV	PHYG-401 Quantum Mechanics and Mathematical physics	This course will acquaint the students with Quantum Mechanics and Mathematical physics which will help the student to comprehend the physics better.
		PHYG-402 Practical	This course will acquaint the students with the practical knowledge of wave length of a monochromatic radiation using Newton's ring,

			conductivity of a metallic rod etc.
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(b) Programme : B.Sc. Major course in Physics

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	PHYM-101 Mechanics and Properties of matter	This course will acquaint the student with the Newtonian and Classical mechanics, forces and collisions and properties of matter.
2	Semester-II	PHYM-201 Thermal Physics and Waves and Oscillation	This course will acquaint the student with Kinetic theory of gases, thermodynamics, Blackbody radiation and Waves and Oscillation.
3	Semester-III	PHYM-301 Optics	This course will acquaint the students with Geometrical optics, Interference, Diffraction and Polarization and Dispersion
		PHYM-302 Electricity and Magnetism	This course will acquaint the students with Electrostatics, Current electricity, Magnetism and Electromagnetic induction.
		PHYM-303 Laboratory	This course will acquaint the students with practical knowledge of value, surface tension, coefficient of viscosity of water etc.
4	Semester-IV	PHYM-401 Mathematical Physics I	This course will acquaint the students with knowledge of Vector calculus, Tensor Algebra, Matrices & Calculus of variation.
		PHYM-402 Quantum Mechanics	This course will give an introduction to students to quantum mechanics and acquaint the students with wave equation and operator formalism.
		PHYM-403 Laboratory	This course will acquaint the student with the practical knowledge of MI verification of the laws of transverse vibrations, MII (Cauchy's constants), MII (Modulus of rigidity) etc.

15 (a) Programme : B.Sc. pass course in Zoology

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	ZOOG-101 Animal diversity-I, Systematics & Evolution	This course will introduce the students with diverse forms of invertebrate animals, their structural morphology of group level and classifications, evolutionary lies and events.
		ZOOG-102 Practical	This course will acquaint the students with the practical knowledge of digestive, excretory and reproductive systems, prawn-Nervous system, grasshopper/cockroach-nervous system, digestive system, pila-digestive system, nervous system etc.
2	Semester-II	ZOOG-201 Animal diversity-II (Chordates) and	The course will introduce the students with diverse forms of vertebrate animals and the major events of embryological aspects.

		developmental Biology Animal diversity-II (Chordates)	
		ZOOG-202 Practical	This course will acquaint the students with practical knowledge of external morphology, afferent branchial system, efferent branchial system, internal ear, goroï fish, efferent branchial system, identification, prepare of permanent slides from suitable materials from vertebrate animals etc.
3	Semester-III	ZOOG-301 Cell Biology and Biochemistry	This course will introduce the students with structure and function of animal cell and biochemical aspects of macromolecules.
		ZOOG-302 Practical	This course will acquaint the students with practical knowledge of mitosis and meiosis with the help of permanent slides, preparation of slides, preparation of normal and molar solution etc.
4	Semester-IV	ZOOG-401 Animal Physiology and Endocrinology	This course will introduce the students with the major events of animal physiology and endocrinology.
		ZOOG-402 Practical	This course will acquaint the students with practical knowledge of preparation of haemin crystals, R.B.C and W.B. C counting etc.

(b) Programme : B.Sc. Major course in Zoology

Sl. No.	Semester	Paper/Course	Expected Learners Outcome
1	Semester-I	ZOOM-101 Animal Diversity-I and systematics	This course is to introduce the students with the diverse forms and structures and taxonomic groups of the invertebrate animals.
		ZOOM-102 Practical	This course will acquaint the students with practical knowledge of invertebrate systems, identification and preparation of permanent slides & mounting of minimum five suitable non-chordate specimens and their submission.
2	Semester-II	ZOOM-201 Animal Diversity-II and comparative anatomy	This course will introduce the students with the diverse forms and structures of vertebrate animals and their comparative anatomical study.
		ZOOM-202 Practical	This course will acquaint the students with practical knowledge of vertebrate system, identification of vertebrates with reasons, preparation of permanent slides & mounting of minimum five suitable slides of vertebrate's exoskeleton etc.
3	Semester-III	ZOOM-301 Biochemistry	This course will introduce the students with the basic knowledge of biochemistry with special reference to macromolecules.
		ZOOM-302 Practical	This course will acquaint the students with practical knowledge of qualitative test for

			carbohydrates, extraction and estimation of enzyme and estimation of ascorbic acid.
		ZOOM-303 Bioinstrumentation and Biostatistics	This course will introduce the students with the tools and techniques used in biological study with special reference to instruments & statistics.
		ZOOM-304 Practical	This course will acquaint the students with practical knowledge of separation of amino acids, demonstration of instruments, statistical calculation, deviation, co relation etc.
4	Semester-IV	ZOOM-401 Cell Biology, Histology and Histochemistry	This course will acquaint the students with the fundamental knowledge of structural and histochemical analysis of animal cells and tissues.
		ZOOM-402 Practical	This course will acquaint the students with practical knowledge on the study of mitosis in tadpole tail, onion root tip, meiosis in testes of grasshopper or cockroach etc.
		ZOOM-403 Development Biology	This course will provide exposé to the students on the fundamentals of embryology of animals.
		ZOOM-404 Practical	This course will provide practical knowledge on study of permanent slides of different embryonic stages of frog/toad and chick embryo etc.