1.2.1. Additional Information on Implementation of CBCS/Elective Course System

Number of Programmes in which CBCS/Elective Course System has been implemented as part of Academic Flexibility in Curriculum.

<div align="center">

সন্মান পাঠ্যক্রম
(Honours Course)

</div>

☐ গুৱাহাটী বিশ্ববিদ্যালয়ৰ অসমীয়া বিষয়ৰ স্নাতক (সন্মান) পাঠ্যক্রম ৬ টা ষাণ্মাসিকত সম্পন্ন হ'ব।

☐ প্রত্যেক পাঠ্যৰ বাবে (Course) ৬ ক্রেডিট অথবা ৪ ক্রেডিট ধার্য কৰা হৈছে। ৬ ক্রেডিটৰ পাঠ্যৰ বাবে সপ্তাহত ৬ বিদ্যায়তনিক ঘণ্টা আৰু ৪ ক্রেডিটৰ পাঠ্যৰ বাবে ৪ বিদ্যায়তনিক ঘণ্টা নির্দিষ্ট কৰা হৈছে। সপ্তাহটোৰ ৬ ক্রেডিটৰ পাঠ্যত ৫ টা শৈক্ষিকশ্রেণী আৰু ১ টা শৈক্ষিক বৈঠক (Tutorial Class) অনুষ্ঠিত হ'ব।

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অসমীয়া সন্মান পাঠ্যক্রমৰ পাঠ্য বিভাজন
(Course Structure for BA in Assamese (Honours) under CBCS)
২০১৯

</div>

Semester	ধৰণ (Type)	বুনিয়াদী পাঠ (Core Course)	সক্ষমতা বিকাশ পাঠ (AECC)	দক্ষতা বিকাশ পাঠ (SEC)	বিষয় সম্পৰ্কীয় ঐচ্ছিক পাঠ (DSE)	বৰ্গীয় ঐচ্ছিক পাঠ (GE)
	গুৰুত্ব (Credit)	14 x 6 = 84	2 x 4 = 8	2 x 4 = 8	4 x 6 = 24	4 x 6 = 24
I		ASM-HC-1016 ASM-HC-1026	ASM-AE-1014 / ENG-AE-1014/ Other MIL Communication			ASM-HG-1016
II		ASM-HC-2016 ASM-HC-2026	ENV-AE-2014			ASM-HG-2016
III		ASM-HC-3016 ASM-HC-3026 ASM-HC-3036		ASM-SE-3014		ASM-HG-3016
IV		ASM-HC-4016 ASM-HC-4026 ASM-HC-4036		ASM-SE-4014		ASM-HG-4016
V		ASM-HC-5016 ASM-HC-5026			ASM-HE-5XX6 ASM-HE-5YY6	
VI		ASM-HC-6016 ASM-HC-6026			ASM-HE-6XX6 ASM-HE-6YY6	

নির্দেশনা ঃ

অসমীয়া (সন্মান)ৰ শিক্ষার্থীয়ে অসমীয়া বিষয়ৰ বাহিৰে মহাবিদ্যালয়ত উপলব্ধ অন্য যিকোনো বিষয়ৰ পৰা ঐচ্ছিক বৰ্গীয় পাঠ্য ল'ব পাৰিব।

স্নাতক সন্মান পাঠ্যক্রম (১৪৮ ক্রেডিট)
পাঠ্য তালিকা
(ক) বুনিয়াদী পাঠ্য (Core Course)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-HC-1016	অসমীয়া সাহিত্যৰ বুৰঞ্জী (চৰ্যাপদ-শংকৰী যুগ)
2	ASM-HC-1026	অসমীয়া সাহিত্যৰ বুৰঞ্জী (উত্তৰ শংকৰী যুগ-অৰুণোদই যুগ)
3	ASM-HC-2016	ভাষা-বিজ্ঞান পৰিচয়
4	ASM-HC-2026	সাহিত্য-সমালোচনা
5	ASM-HC-3016	অসমীয়া সাহিত্য প্রৱেশ
6	ASM-HC-3026	অসমীয়া কবিতাৰ চানেকি
7	ASM-HC-3036	অসমৰ সংস্কৃতি
8	ASM-HC-4016	তুলনামূলক ভাৰতীয় সাহিত্য
9	ASM-HC-4026	অসমীয়া ভাষাৰ সমাহৰণ ঃ আর্যভাষা আৰু আর্যভিন্নভাষা
10	ASM-HC-4036	অসমীয়া গদ্য সাহিত্য (আৰম্ভণিৰ পৰা অষ্টাদশ শতিকালৈ)
11	ASM-HC-5016	অসমীয়া নাটক আৰু পৰিৱেশন শৈলী
12	ASM-HC-5026	অসমীয়া ব্যাকৰণ
13	ASM-HC-6016	অসমীয়া চুটিগল্প আৰু উপন্যাস
14	ASM-HC-6026	অসমীয়া লিপিৰ ইতিহাস

(খ) বিষয়সম্পৰ্কীয় ঐচ্ছিক পাঠ্য (DSE)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-HE-5016	অসমীয়া লোক-সাহিত্য অধ্যয়ন
2	ASM-HE-5026	অসমীয়া ৰমন্যাসবাদী কবিতা

3	ASM-HE-5036	শংকৰদেৱ
4	ASM-HE-5046	অসমীয়া কল্পবিজ্ঞান সাহিত্য
5	ASM-HE-6016	লক্ষ্মীনাথ বেজবৰুৱা
6	ASM-HE-6026	বাণীকান্ত কাকতি
7	ASM-HE-6036	অসমীয়া শিশু আৰু কিশোৰ সাহিত্য
8	ASM-HE-6046	অসমীয়া ভাষাৰ উপভাষা
9	ASM-HE-6056	প্ৰকল্প

(গ) দক্ষতা বিকাশ পাঠ্য (SEC)

ক্ৰমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীৰ্ষক
1	ASM-SE-3014	ব্যৱহাৰিক অসমীয়া
2	ASM-SE-4014	সৃজনীমূলক সাহিত্য

(ঘ) বৰ্গীয় ঐচ্ছিক পাঠ্য (GE)

ক্ৰমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীৰ্ষক
1	ASM-HG-1016	অসমীয়া ভাষাৰ ইতিহাস
2	ASM-HG-2016	অসমীয়া সাহিত্যৰ ইতিহাস (আৰম্ভণিৰ পৰা অষ্টাদশ শতিকা পৰ্যন্ত)
3	ASM-HG-3016	অসমীয়া নাটক আৰু মঞ্চকলা
4	ASM-HG-4016	আধুনিক অসমীয়া গীতিসাহিত্য

সাধাৰণ পাঠ্যক্ৰম (Regular Course)

- ❑ গুৱাহাটী বিশ্ববিদ্যালয়ৰ অসমীয়া বিষয়ৰ স্নাতক (সাধাৰণ) পাঠ্যক্ৰম 6 টা যাণ্মাসিকত সম্পন্ন হ'ব।
- ❑ প্ৰত্যেক পাঠৰ (Course) বাবে 6 ক্ৰেডিট অথবা 4 ক্ৰেডিট ধাৰ্য কৰা হৈছে। সন্মান পাঠ্যক্ৰমৰ লেখীয়াকৈ ইয়াতো

6 ক্ৰেডিটৰ পাঠৰ বাবে 6 বিদ্যায়তনিক ঘণ্টা আৰু 4 ক্ৰেডিট পাঠৰ বাবে 4 বিদ্যায়তনিক ঘণ্টা নিৰ্দিষ্ট কৰা হৈছে।

অসমীয়া সাধাৰণ পাঠ্যক্ৰমৰ পাঠ্য বিভাজন
(Course Structure for BA in Assamese (Regular) under CBCS)
২০১৯

Semester	ধৰণ (Type)	বুনিয়াদী পাঠ্য (Core Course)	সক্ষমতা বিকাশ পাঠ্য (AECC)	দক্ষতা বিকাশ পাঠ্য (SEC)	বিষয় সম্পৰ্কীয় ঐচ্ছিক পাঠ্য (DSE)	বৰ্গীয় ঐচ্ছিক পাঠ্য (GE)
	গুৰুত্ব (Credit)	১২x৬=৭২	২ x ৪ = ৮	৪ x ৪ = ১৬	৪ x ৬ = ২৪	২ x ৬ = ১২
I		ENG-CC-1016 ASM-RC-1016 DSC- 2 A	ENG-AE-1014/ ASM-AE-1014/ Other MIL Communication			
II		ENG-CC-2016 ASM-RC-2016 DSC- 2 B	ENV-AE-2014			
III		ASM-CC-3016 ASM-RC-3016 DSC- 2 C		ASM- SE-3014		
IV		ASM-CC-4016 ASM-RC-4016 DSC- 2 D		ASM-SE-4014		
V				ASM-SE-5014	ASM-RE-5XX6 DSE- 2 A	ASM-RG-5016
VI				ASM-SE-6014	ASM-RE-6XX6 DSE- 2 B	ASM-RG-6016

স্নাতক সাধাৰণ পাঠ্যক্রম (ক্রেডিট 120)
পাঠ্য তালিকা

বুনিয়াদী পাঠ (Core Course)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-RC-1016	অসমীয়া ভাষাৰ ইতিহাস
2	ASM-RC-2016	অসমীয়া সাহিত্যৰ ইতিহাস (আৰম্ভণিৰ পৰা অষ্টাদশ শতিকা পৰ্যন্ত)
3	ASM-RC-3016	অসমীয়া নাটক আৰু মঞ্চকলা
4	ASM-RC-4016	আধুনিক অসমীয়া গীতিসাহিত্য

বিষয়সম্পৰ্কীয় ঐচ্ছিক পাঠ্য (DSE)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-RE-5016	শংকৰদেৱ
2	ASM-RE-5026	অসমীয়া লোক-সাহিত্য অধ্যয়ন
3	ASM-RE-6016	ছন্দ আৰু অলংকাৰ
4	ASM-RE-6026	অভিযোজনা

দক্ষতা বিকাশ পাঠ্য (SEC)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-SE-3014	ব্যৱহাৰিক অসমীয়া
2	ASM-SE-4014	সৃজনীমূলক সাহিত্য
3	ASM-SE-5014	আবৃত্তিকলা
4	ASM-SE-6014	অসমীয়া আখৰ জোঁটনি

বৰ্গীয় ঐচ্ছিক পাঠ্য (GE)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীর্ষক
1	ASM-RG-5016	শংকৰদেৱ
2	ASM-RG-6016	ছন্দ আৰু অলংকাৰ

আধুনিক ভাৰতীয় ভাষা (MIL)

ক্রমিক নং	পাঠ্যসংখ্যা	পাঠ্যশীৰ্ষক
1	ASM-CC-3016	প্ৰাচীন অসমীয়া সাহিত্য
2	ASM-CC-4016	আধুনিক অসমীয়া সাহিত্য

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses.

1. Types of courses in CHOICE BASED CREDIT SYSTEM (CBCS)

1.1 Core Course: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

1.2 Elective Course: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

1.2.1 Discipline Specific Elective (DSE) Course: Elective courses offered by the main discipline/subject of study are referred to as Discipline Specific Electives.

1.2.2 Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A candidate studies such a course on his own with an advisory support by a teacher/faculty member. The work done will have to be submitted in writing as a dissertation.

1.2.3 Generic Elective (GE) Course: Elective courses that are generic or interdisciplinary by nature are called Generic Electives. Students will have to choose one elective each in the first four semesters from the lists GE1 to GE4 given in this syllabus.

1.3 Ability Enhancement Courses (AEC)
The Ability Enhancement (AE) Courses are the course that leads to Knowledge enhancement. These are of two types.

1.3.1 AE Compulsory Course (AECC): Environmental Studies, English Communication/MIL Communication.

1.3.2 AE Elective Course (AEEC): AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc. These courses are to be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

2. BACHELOR OF COMPUTER APPLICATIONS Programme Details

2.1. Programme Objectives:

Students who choose BCA Programme, develop the ability to think critically, logically, analytically and to use and apply current technical concepts and practices in the core development of solutions in the form of Information technology.

The knowledge and skills gained with a degree in Computer Science prepare graduates for a broad range of jobs in education, research, government sector, business sector and industry.

The program covers the various essential concepts in Computer Science. The course lays a structured foundation of Computer fundamentals, Numerical methods, Data structure, Algorithm and Complexity analysis, Software Engineering, Programming Concepts in various

languages(C, C++, Java etc.), Computer Networking, System Administration, Operating System, Computer Architecture, Microprocessor, Web technology, Computer Graphics and Database management system etc.

An exceptionally broad range of topics covering current trends and technologies in computer science: Advanced web technology, Mobile application, Animation, Data mining etc. Also, to carry out the hand on sessions in Computer lab using various Programming languages and tools to have a deep conceptual understanding of the topics to widen the horizon of students' self-experience.

2.2. Programme Learning Outcomes:
The completion of the BCA Programme shall enable a student to:

i) To communicate technical information both orally and in writing
ii) Apply the knowledge gained in core courses to a broad range of advanced topics in computer science, to learn and develop sophisticated technical products independently.
iii) To design, implement, and evaluate computer-based system, process, component, or program to meet desired needs by critical understanding, analysis and synthesis
iv) Identify applications of Computer Science in other fields in the real world to enhance the career prospects
v) Realize the requirement of lifelong learning through continued education and research.
vi) Use the concepts of best practices and standards to develop user interactive and abstract application
vii) Understand the professional, ethical, legal, security, social issues and responsibilities

2.3. Programme Structure:

The BCA programme is a three-year course divided into six-semesters. A student is required to complete 148 credits for the completion of course and the award of degree.

		Semester	**Semester**
Part – I	First Year	Semester I : 22	Semester II : 22
Part – II	Second Year	Semester III: 28	Semester IV: 28
Part – III	Third Year	Semester V:24	Semester VI:24

2.4 Eligibility: The candidate must have passed Higher Secondary or equivalent level examination from Science/Commerce/Arts Stream. Students who have passed the Higher Secondary examination with either Mathematics or Computer Science as one of the subjects obtaining minimum pass mark in the subject should be given preference at the time of admission. Students completing Diploma in CSE/IT from AICTE recognized institutes are also eligible for taking admission. The Colleges may have their own cut-off marks which they found to be reasonable for them and/or hold admission test for the final selection of candidates. Colleges may offer bridge course in Mathematics for admitted students who did not have Mathematics at the HS level.

2.5. Programme Implementation Requirement:

The BCA programme is a three-year course divided into six-semesters. For proper implementation of the UGCBCS programme the following infrastructure are necessary:

a) Sufficient lab facilities with computers and software
b) At least 7 full time faculties.

2.6. Instruction for questions paper setter:

Question Paper setter should set from the prescribed text books, mentioned in the syllabus.

3. Credit allocation (BCA course)

Course	*Credits	
	Theory+Practical	Theory+Tutorial
I Core Course (6 credits)		
(14 papers)	14X4=56	14x5=70
Core Course Practical / Tutorial* (14 Papers)	14x2=28	14x1=14
I. Elective Course (6 credits) (8 Papers)		
A.1. Discipline Specific Elective(4 Papers)	4x4=16	4x5=20
A.2. Discipline Specific Elective Practical/ Tutorial* (4 Papers)	4×2 = 8	4×1 = 4
B.1. Generic Elective/ Interdisciplinary (4 Papers)	4x4=16	4x5=20
B.2. Generic Elective Practical/ Tutorial* (4 Papers)	4x2=8	4x1=4
Optional dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 5th semester		
1.Ability Enhancement Compulsory Courses (AECC) (2 Papers of 4 credit each)	2x4=4	2x4=8
Environmental Science		
English Communication		
2. Skill Enhancement Courses (SEC) (Minimum 2) (2 Papers of 4 credit each)	2x4=8	2x4=8
Total credit	148	148

*Wherever there is practical, there will be no tutorial and vice-versa

CBCS Course Structure for BCA Programme

SEMESTER WISE PLACEMENT OF THE COURSES

Semester	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (4)
I	BCA-HC-1016 Introduction to C programming BCA-HC-1026 Computer Fundamentals & ICT Hardware	ENG-AE-1014			Any course from the list GE-1
II	BCA-HC-2016 Mathematics –I BCA-HC-2026 Digital Logic Fundamentals	ENV-AE-2014			Any course from the list GE-2
III	BCA-HC-3016 Software Engineering BCA-HC-3026 Data Structure and Algorithms BCA-HC-3036 Database Management System		SEC -1		Any course from the list GE-3
IV	BCA-HC-4016 Computer Organization and Architecture BCA-HC-4026 Mathematics-II BCA-HC-4036 Object Oriented Programming in C++		SEC -2		Any course from the list GE-4
V	BCA-HC-5016 Java Programming BCA-HC-5026 Operating System			DSE-1 DSE -2	
VI	BCA-HC-6016 System Administration using Linux C14: BCA-HC-6026 Computer Networks			DSE -3 DSE -4	

Paper Code: CIT-HC-1016: Means: CIT (Subject code), HC (Course type: Honours Core), 1(Semester), 01(first paper of the semester), 6(credit).

Skill Enhancement Course (SEC)

SEC 1 (choose one)
    (i)   BCA-SE-3014: Web Technology
    (ii) BCA-SE-3024: Programming with C#
    (iii) BCA-SE-3034: Open Source Software

SEC 2 (choose one)

    (i)   BCA-SE-4014: Animation
    (ii) BCA-SE-4024: Mobile Applications
    (iii) BCA-SE-4034: Advanced Web Technology

Discipline Specific Electives (DSE)

DSE-1
    (i)   BCA-HE-5016: Project Work / Dissertation (Credit: 6)

DSE-2 (choose any One)
    (i) BCA-HE-5026:Data Mining & Warehousing
    (ii) BCA-HE-5036: Computer Oriented Numerical Methods and statistical Techniques
    (iii) BCA-HE-5046: Programming in Python

DSE-3 (choose any One)
    (i) BCA-HE-6016: Automata Theory and Languages
    (ii) BCA-HE-6026: Optimization Techniques
    (iii) BCA-HE-6036: Multimedia and Applications

DSE-4 (choose any One)
    (i) BCA-HE-6046: Distributed System
    (ii) BCA-HE-6056: Microprocessor and Assembly Language Programming
    (iii) BCA-HE-6066: Artificial Intelligence

Generic Elective (GE)

GE 1 (choose any One)
    (i) BCA-HG-1016: Computer Based Accounting and Financial Management
    (ii) BCA-HG-1026: Office Automation

GE 2 (choose any One)
    (i) BCA-HG-2016:Basic Electronics
    (ii)   BCA-HG-2026:Introduction to Bio-Informatics

GE 3 (choose any One)
    (i) BCA-HG-3016:Introduction to Indian History
    (ii) BCA-HG-3026:Positive Psychology

GE 4 (choose any One)
    (i) BCA-HG-4016:Introduction to Dramatic Arts
    (ii) BCA-HG-4026:Information Security and Cyber Laws

DETAILED SYLLABUS

BCA-HC-1016: INTRODUCTION TO C PROGRAMMING
4 Lectures, 4 Practical, Credits 6 (4+2)
Theory: 60 Lectures, Practical: 60 Lectures
End Semester Marks:
Theory: 60 Marks, Practical: 20 Marks
Internal Marks:
Sessional: 10 Marks, Practical: 6 Marks, Attendance: 4 Marks

UNIT 1: Overview of C **(10 Lectures)**
Importance of C, sample C program, C program structure, executing C program. Variables, Data Types, Constants: integer constant, real constant, character constant, string constant; Character set, C tokens, keywords and identifiers, variables declaration, Assigning values to variables---Assignment statement, declaring a variable as constant, as volatile.
Operators and Expression: Categories of operator- Arithmetic, Relational, logical, assignment, increment, decrement, conditional, bitwise and special operators; arithmetic expressions, precedence and associatively of operators, type conversions, mathematical functions Managing Input and Output Operators: Reading and writing a character, formatted input, formatted output.

UNIT 2: Decision Making and Branching Statement **(8 Lectures)**
if statement, *if…..else* statement, nested *if…. else* statement, *switch….case* statement, *goto* statement. Decision Making and Looping: Definition of loop, categories of loops, *for* loop *while* loop, *do-while* loop, *break* statement, *continue* statement

UNIT 3: Arrays **(6 Lectures)**
Declaration and accessing of one & two-dimensional arrays, initializing two-dimensional arrays, multidimensional arrays.

UNIT 4: Functions **(10 Lectures)**
The form of C functions, Return values and types, return statement, calling a function, categories of functions, Nested functions, Recursion, functions with arrays, call by value, call by reference, storage classes, Macro substitution, file inclusion.

UNIT 5: Structures and Unions **(8 Lectures)**
Defining, giving values to members, initialization and comparison of structure variables, array of structure, array within structure, structure within structure, structures and functions, unions.

UNIT 6: Pointers **(10 Lectures)**
Definition of pointer, declaring and initializing pointers, accessing a variable through address and through pointer, pointer expressions, pointer increments and scale factor, pointers and arrays, pointers and functions, pointers and structures.

UNIT 7: File Management in C **(8 Lectures)**
Opening, closing and I/O operations on files, random access to files, command line arguments.

Important Features & Instructions

1. A) TOTAL CREDIT in BENGALI Hons. =**148**

   B) TOTAL MARKS in BENGALI Hons. = **2600**

2. A) TOTAL CREDIT in BENGALI Regular =**132**

   B) TOTAL MARKS in BENGALI Regular = **2400**

3. Total Marks for a 6 Cr. Paper is 100 (End SEM Exam=80, I.A=20)

4. Total Marks for Project Paper (Optional in 6th Sem.) is 100 (**Dissertation=80, Viva-voice=20**)

5. A) Total Marks for **SEC** paper = 100

   End Semester Theory Exam. = 50, Practical Exam. (Based on respective Theory Papers and units)= 50

   For Paper SEC 3014 two options are offered, (a) computer based activity (50 marks) or (b) Project (30 Marks), Viva Voce (20 Marks).

   For papers SEC 4014, 5014, 6014 no options are offered. In these papers Practical marks distributed as— Project 30 Marks and Viva Voce 20 Marks)

   B) Department will submit the practical marks of each student along with project-copy to the University as and when required.

   C) End Semester Examination will be held as per guideline set by the University.

6. **There will be no Sessional Exam for SEC paper.**

7. Class allotment for Papers with 6Cr= 5 Class/week for theory and 1 Class/week for Tutorial

8. Class allotment for Papers with 4 Cr. (i.e AECC and SEC) = 4 class/week (maximum)

9. In Tutorial classes (15 weeks/hours in total) students will have to submit 3 Home Assignments (H.A) of 10 mark each from all 3 units (Total 9 H.A) of a paper and will have to attend 1 Class Test/G.D of 10 marks per unit of the same. (Mark distribution procedure of G.D will be finalised by respective HOD or as per G.U Guideline)

10. A) Students will select a GE subject which is available in the respective institution other than BENGALI.

    B) It is advisable that a student of Bengali will select a GE from Language/Humanities group of subjects (preferably Assamese, Hindi, English, Sanskrit, History, Political Science)

(For 15 week Semester> 22 hours of class per week = 12 hours for CC, 4 hours for AECC, 6 hours for GE)

B. Com. : Three-Year (6-Semester) CBCS Programme
(Regular Course)

Course No.	Course Title	Course Type
Programme Structure		
Semester I		
BCM-AE-1014	Business Communication (English/Hindi/MIL)	**Ability-Enhancement Compulsory Course (AECC)-1**
COM-RC-1026	Financial Accounting	**Core Course C-1**
COM-RC-1036	Business Organisation and Management	**Core Course C-2**
ENG-CC-1016	English Language	**Language-1**
Semester II		
ENV-AE-2014	Environmental Studies	**Ability-Enhancement Compulsory Course (AECC)-2**
COM-RC-2026	Business Law	**Core Course C-3**
COM-RC-2036	Business Mathematics and Statistics	**Core Course C-4**
ENG-CC-2016	English-II	**Language-2**
Semester III		
COM-RC-3016	Company Law	**Core Course C-5**
COM-RC-3026	Income Tax Law and Practice	**Core Course C-6**
COM-CC-3036	Hindi/ Modern Indian Language	**Language-3**
COM-SEC-RC-3044 (A) COM-SEC-RC-3044 (B)	**Any *one* the following** Computer Application in Business/ New Venture Planning	**Skill-Enhancement Elective Course (SEC)-1**
Semester IV		
COM-CC-4016	Soft Skills for Business	**Language-4**
COM-RC-4026	Corporate Accounting	**Core Course C-7**
COM-RC-4036	Cost Accounting	**Core Course C-8**
COM-SEC-RC-4044 (A) COM-SEC-RC-4044 (B)	**Any *one* the following** E-Commerce/ E-Filing of Return	**Skill-Enhancement Elective Course (SEC)-2**
Semester V		
COM-DSE- RC-5016 (A) COM-DSE- RC-5016 (B) COM-DSE- RC-5016 (C) COM-DSE- RC-5016(D)	**Any *one* the following** Human Resource Management Principles of Marketing Auditing and Corporate Governance Indian Financial System	**Discipline Specific Elective (DSE)-1**
COM-DSE- RC-5026 (A) COM-DSE- RC-5026 (B)	**Any *one* of the following** Fundamentals of Financial Management Indirect Tax Law	**Discipline-Specific Elective (DSE)-2**
COM-SEC- RC-5024 (A)/ COM-SEC- RC-5024 (B)	**Any *one* of the following** Entrepreneurship Event Management	**Skill-Enhancement Elective Course (SEC)-3**

	Any *one* of the following	Generic Elective (GE)-1
COM-GE- RC-5036 (A)/ COM-GE- RC-5036 (B)	Principles of Micro Economics Business Economics	
Semester VI		
	Any *one* of the following	Discipline-Specific Elective (DSE)-3
COM- DSE- RC-6016 (A)	Advertising	
COM- DSE- RC-6016 (B)	Banking	
COM- DSE- RC-6016 (C)	Management Accounting	
COM- DSE- RC-6016 (D)	Computerised Accounting System	
	Any *one* of the following	Discipline-Specific Elective (DSE)-4
COM- DSE- RC-6026 (A)	International Business	
COM- DSE- RC-6026 (B)	Office Management and Secretarial Practice	
COM- DSE- RC-6026 (C)	Fundamentals of Investment	
COM- DSE- RC-6026 (D)	Consumer Affairs and Customer Care	
COM- SEC- RC-6034 (A) COM- SEC- RC-6034 (B)	Any *one* of the following Personal Selling and Salesmanship Retail Management	Skill-Enhancement Elective Course (SEC)-4
COM- GE- RC-6046 (A) COM- GE- RC-6046 (B)	Any *one* of the following Indian Economy Micro Finance	Generic Elective (GE)-2

B. Com. (Hons.): Three-Year (6-Semester) CBCS Programme

	Course Structure	
	Semester I	
BCM-AE-1014	Business Communication (English/Hindi/MIL)	**Ability-Enhancement Compulsory Course (AECC)-1**
COM-HC-1026	Financial Accounting	**Core Course C-1**
COM-HC-1036	Business Law	**Core Course C-2**
COM-GE-1046(A) COM-GE-1046(B)	**Any one of the following** Micro Economics Investing in Stock Markets	**Generic Elective (GE)-1 Generic Elective (GE)-1**
	Semester II	
ENV-AE-2014	Environmental Studies	**Ability-Enhancement Compulsory Course (AECC)-2**
COM-HC-2026	Corporate Accounting	**Core Course C-3**
COM-HC-2036	Corporate Laws	**Core Course C-4**
COM-GE-2046(A) COM-GE-2046(B)	**Any one of the following** Macro Economics Insurance & Risk Management	**Generic Elective (GE)-2 Generic Elective (GE)-2**
	Semester III	
COM-HC-3016	Computer Applications in Business	**Core Course C-5**
COM-HC-3026	Income-tax Law and Practice	**Core Course C-6**
COM-HC-3036	Management Principles and Applications	**Core Course C-7**
COM-GE-3046 (A) COM-GE-3046 (B)	**Any one of the following** Business Statistics/ Operation Research in Business	**Generic Elective (GE)-3**
COM-SEC-HC-3054 (A) COM-SEC-HC-3054 (B)	**Any one of the following** Entrepreneurship/ New Venture Planning	**Skill-Enhancement Elective Course (SEC)-1**
	Semester IV	
COM-HC-4016	Cost Accounting	**Core Course C-8**
COM-HC-4026	Business Mathematics	**Core Course C-9**
COM-HC-4036	Human Resource Management	**Core Course C-10**
COM-GE-4046 (A) COM-GE-4046 (B)	**Any one of the following** Indian Economy/ Micro Finance	**Generic Elective (GE)-4**
COM-SEC-HC-4054 (A) COM-SEC-HC-4054 (B)	**Any one of the following** E-Commerce/ E-Filing of Returns	**Skill-Enhancement Elective Course (SEC)-2**
	Semester V	
COM-HC-5016	Principles of Marketing	**Core Course C-11**
COM-HC-5026	Fundamentals of Financial Management	**Core Course C-12**

	DSE-1 (*Any one of Group A other than the subject selected under DSE-2*)	**Discipline Specific Elective (DSE)-1**
	DSE-2 (*Any one of Group A other than the subject selected under DSE-1*)	**Discipline Specific Elective (DSE)-2**
	Discipline Specific Elective (DSE) Group A	
COM-DSE-HC-5036 (A)	Management Accounting	
COM-DSE- HC-5036 (B)	Advanced Financial Accounting	
COM-DSE- HC-5036 (C)	Advertising	
COM-DSE- HC-5036 (D)	Banking	
COM-DSE- HC-5036 (E)	Computerised Accounting System	
COM-DSE- HC-5036 (F)	Indian Financial System	
Semester VI		
COM-HC-6016	Auditing and Corporate Governance	**Core Course C-13**
COM-HC-6026	Indirect Tax Laws	**Core Course C-14**
	DSE-3 (*Any one of Group B other than the subject selected under DSE-4*)	**Discipline Specific Elective (DSE)-3**
	DSE-4 (*Any one of Group B other than the subject selected under DSE-3*)	**Discipline Specific Elective (DSE)-4**
	Discipline Specific Elective (DSE) Group B	
COM-DSE- HC-6036 (A)	Fundamentals of Investment	
COM-DSE- HC-6036 (B)	Consumer Affairs and Customer Care	
COM-DSE- HC-6036 (C)	Advanced Corporate Accounting	
COM-DSE- HC-6036 (D)	International Business	
COM-DSE- HC-6036 (E)	Industrial Relations and Labour Laws	
COM-DSE- HC-6036 (F)	Business Research Methods and Project Work	

Gauhati University offers BA (Hons) in Economics. Moreover, Economics can be taken up as one of the Disciplines in BA (Regular) and BSc (Regular) Programmes.
The programme templates of both the BA (Regular) with Economics and BSc (Regular) with Economics are given below -

BA Regular with Economics

Semester	CORE COURSE	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Discipline Specific Elective (DSE)	Generic Elective (GE)*
I	English-1 **ECO RC 1016** DSC- 2 A	English/MIL Communication			
II	English-2 **ECO RC 2016** DSC- 2 B	Environmental Science			
III	MIL-1/Alt English-1 **ECO RC 3016** DSC- 2 C		ECO SE 3014		
IV	MIL-2/Alt English-2 **ECO RC 4016** DSC- 2 D		ECO SE 4014		
V			ECO SE 5014	**# ECO RE 5016 / ECO RE 5026 / ECO RE 5036** DSE-2 A	**ECO RG 5016**
VI			ECO SE 6014	**# ECO RE 6016 / ECO RE 6026 / ECO RE 6036** DSE-2 B	**ECO RG 6016**

*for students of other disciplines
#Any one of the three

Note: The second discipline of choice can be taken up from any Arts discipline. However, Statistics and Mathematics are recommended as the ideal complements for Economics.

Course Template - BA Honours in Economics

Semester	CORE COURSE	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Elective: Discipline Specific DSE	Elective: Generic (GE) #
I	ECO HC 1016 ECO HC 1026	English/MIL Communication			ECO HG 1016
II	ECO HC 2016 ECO HC 2026	Environmental Science			ECO HG 2016
III	ECO HC 3016 ECO HC 3026 ECO HC 3036		ECO SE 3014		ECO HG 3016
IV	ECO HC 4016 ECO HC 4026 ECO HC 4036		ECO SE 4014		ECO HG 4016
V	ECO HC 5016 ECO HC 5026			ECO HE 5016 * /ECO HE 5026 /ECO HE 5036	
VI	ECO HC 6016 ECO HC 6026			ECO HE 6016 * /ECO HE 6026 /ECO HE 6036	

Course Nomenclature for B.A. (Hons.) Economics

Semester-I	Semester-II
Core Course 1 ECO-HC-1016: Introductory Microeconomics	Core Course 3 ECO-HC-2016: Introductory Macroeconomics
Core Course 2 ECO-HC-1026: Mathematical Methods for Economics-I	Core Course 4 ECO-HC-2026: Mathematical Methods for Economics-II
Ability Enhancement Compulsory Course (AECC)-I	Ability Enhancement Compulsory Course (AECC)-II
Generic Elective (GE) ECO-HG-1016: Principles of Microeconomics I	Generic Elective (GE) ECO-HG-2016: Principles of Microeconomics II

Semester-III	Semester-IV
Core Course 5 ECO-HC-3016: Intermediate Microeconomics-I	Core Course 8 ECO-HC-4016: Intermediate Microeconomics-II
Core Course 6 ECO-HC-3026: Intermediate Macroeconomics-I	Core Course 9 ECO-HC-4026:Intermediate Macroeconomics-II
Core Course 7 ECO-HC-3036: Statistical Methods for Economics	Core Course 10 ECO-HC-4036: Introductory Econometrics
Skill Enhancement Course (SEC)-I ECO-SE-3014: Data Collection and Presentation	Skill Enhancement Course (SEC)-II ECO-SE-4014: Data Analysis
Generic Elective (GE) ECO-HG-3016: Principles of Macroeconomics I	Generic Elective (GE) ECO-HG-4016: Principles of Macroeconomics II

Semester-V	Semester-VI
Core Course 11 ECO-HC-5016: Indian Economy-I	Core Course 13 ECO-HC-6016: Indian Economy-II
Core Course 12 ECO-HC-5026: Development Economics-I	Core Course 14 ECO-HC-6026: Development Economics-II
Group-I (Discipline Specific Elective (DSE) Courses) (Any Two)	Group-II (Discipline Specific Elective (DSE) Courses) (Any Two)
(i) ECO-HE-5016: Economics of Health and Education	(iv) ECO-HE-6016: Environmental Economics
(ii) ECO-HE-5026: Money and Financial Markets	(v) ECO-HE-6026: International Economics
(iii) ECO-HE-5036: Public Finance	(vi) ECO-HE-6036: The Economy of Assam

Course Template - BA Honours in Economics

Semester	CORE COURSE	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Elective: Discipline Specific DSE	Elective: Generic (GE) [#]
I	ECO HC 1016	English/MIL Communication			ECO HG 1016
	ECO HC 1026				
II	ECO HC 2016	Environmental Science			ECO HG 2016
	ECO HC 2026				
III	ECO HC 3016		ECO SE 3014		ECO HG 3016
	ECO HC 3026				
	ECO HC 3036				
IV	ECO HC 4016		ECO SE 4014		ECO HG 4016
	ECO HC 4026				
	ECO HC 4036				
V	ECO HC 5016			ECO HE 5016 [*] /ECO HE 5026 /ECO HE 5036	
	ECO HC 5026				
VI	ECO HC 6016			ECO HE 6016 [*] /ECO HE 6026 /ECO HE 6036	
	ECO HC 6026				

Course Nomenclature for B.A. (Hons.) Economics

Semester-I	Semester-II
Core Course 1 **ECO-HC-1016: Introductory Microeconomics**	**Core Course 3** **ECO-HC-2016: Introductory Macroeconomics**
Core Course 2 **ECO-HC-1026: Mathematical Methods for Economics-I**	**Core Course 4** **ECO-HC-2026: Mathematical Methods for Economics-II**
Ability Enhancement Compulsory Course (AECC)-I	**Ability Enhancement Compulsory Course (AECC)-II**
Generic Elective (GE) **ECO-HG-1016: Principles of Microeconomics I**	**Generic Elective (GE)** **ECO-HG-2016: Principles of Microeconomics II**

Semester-III	Semester-IV
Core Course 5 **ECO-HC-3016: Intermediate Microeconomics-I**	**Core Course 8** **ECO-HC-4016: Intermediate Microeconomics-II**
Core Course 6 **ECO-HC-3026: Intermediate Macroeconomics-I**	**Core Course 9** **ECO-HC-4026:Intermediate Macroeconomics-II**
Core Course 7 **ECO-HC-3036: Statistical Methods for Economics**	**Core Course 10** **ECO-HC-4036: Introductory Econometrics**
Skill Enhancement Course (SEC)-I **ECO-SE-3014: Data Collection and Presentation**	**Skill Enhancement Course (SEC)-II** **ECO-SE-4014: Data Analysis**
Generic Elective (GE) **ECO-HG-3016: Principles of Macroeconomics I**	**Generic Elective (GE)** **ECO-HG-4016: Principles of Macroeconomics II**

Semester-V	Semester-VI
Core Course 11 **ECO-HC-5016: Indian Economy-I**	**Core Course 13** **ECO-HC-6016: Indian Economy-II**
Core Course 12 **ECO-HC-5026: Development Economics-I**	**Core Course 14** **ECO-HC-6026: Development Economics-II**
Group-I (Discipline Specific Elective (DSE) Courses) (Any Two)	**Group-II (Discipline Specific Elective (DSE) Courses) (Any Two)**
(i) ECO-HE-5016: Economics of Health and Education	**(iv) ECO-HE-6016: Environmental Economics**
(ii) ECO-HE-5026: Money and Financial Markets	**(v) ECO-HE-6026: International Economics**
(iii) ECO-HE-5036: Public Finance	**(vi) ECO-HE-6036: The Economy of Assam**

Course Structure of B.A. Education (Regular) under CBCS Curriculum

It aims to develop a holistic and multidimensional understanding of the topics. It attempts to approach new areas of learning, develop competencies in the students thereby opening various avenues for self-discovery, academic understanding and employment.

Instruction on teaching method:

- The classroom transaction of all the papers will be done through Blended mode of learning. However, offline learning will be conducted through lectures, group discussions, experiential exercises, projects, presentations, workshops, seminars and hands on experiences.
- Students would be encouraged to develop an understanding of real life issues and participate in the programs and practices in the social context. To this end, practicum is incorporated as an important component in many of the papers.
- Use of ICT and mass media and web based sources is highly recommended to make the teaching learning process interactive and interesting.
- 40% of the courses will be covered by online mode of learning.

Evaluation: The mode of evaluation would be through a combination of external and internal assessment in the ratio of 80: 20 respectively. Equal weightage will be given to all the units while setting of questions papers in external examination. Along with routine examinations, classroom participations, class assignments, project work, and presentations would also be a part of the overall assessment of the student.

Semester	Core Course	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Discipline Specific Elective (DSE)	Generic Elective (GE)
I	English-1	English/MIL Communication & Environmental Science			
	EDU-RC-1016				
	Other Subject				
II	English-2	English/MIL Communication & Environmental Science			
	EDU-RC-2016				

	Other Subject				
III	MIL/Alt English-1		EDU-SE-3014		
	EDU-RC-3016				
	Other Subject				
IV	MIL/Alt English-2		EDU-SE-4014		
	EDU-RC-4016				
	Other subject				
V			EDU-SE-5014	*Any one* EDU-RE-5016/ EDU-RE-5026/ EDU-RE-5036/ EDU-RE-5046	EDU-RG-5016
VI			EDU-SE-6014	*Any one* EDU-RE-6016/ EDU-RE-6026/ EDU-RE-6036/ EDU-RE-6046	EDU-RG-6016

List of Papers (Regular)

Core Papers			
Sl. No	**Course code**	**Title of the Paper**	**Credit**
1	EDU-RC-1016	Foundations of Education	6
2	EDU-RC-2016	Psychology of Adolescents	6
3	EDU-RC-3016	Guidance and Counselling	6
4	EDU-RC-4016	History of Education in India	6
5	EDU-RE-5016/ EDU-RE-5026/ EDU-RE-5036/ EDU-RE-5046	Continuing Education/ Developmental Psychology/ Human Right Education/ Teacher Education in India	6
6	EDU-RE-6016/ EDU-RE-6026/ EDU-RE-6036/ EDU-RE-6046	Mental health and Hygiene/ Special Education/ Educational Management/ Women and Society	6
Generic Elective (GE)			
1	EDU-RG-5016	Distance Education	6
2	EDU-RG-6016	Mental Health and Hygiene	6
Skill Enhancement Course (SEC)			
1	EDU-SE-3014	Public Speaking Skill	4
2	EDU-SE-4014	Writing Bio-Data and facing an interview	4
3	EDU-SE-5014	Extension Activities	4
4	EDU-SE-6014	Developing Teaching Skill	4
Ability Enhancement Course (AEC)			
1	AECC-1		4
2	AECC-2		4

Course Structure of B.A. Education (Honours) under CBCS

Gauhati University, Guwahati

It aims to develop a holistic and multidimensional understanding of the topics. It attempts to approach new areas of learning, develop competencies in the students thereby opening various avenues for self-discovery, academic understanding and employment.

Instruction on Teaching Method:

- The classroom transaction of all the papers will be done through Blended mode of learning. However, offline learning will be conducted through lectures, group discussions, experiential exercises, projects, presentations, workshops, seminars and hands on experiences.
- Students would be encouraged to develop an understanding of real life issues and participate in the programs and practices in the social context. To this end, practicum is incorporated as an important component in many of the papers.
- Use of ICT and mass media and web based sources is highly recommended to make the teaching learning process interactive and interesting.
- 40% of the courses will be covered by online mode of learning.

Evaluation: The mode of evaluation would be through a combination of external and internal assessment in the ratio of 80: 20 respectively. Equal weightage will be given to all the units while setting of questions papers in external examination. Along with routine examinations, classroom participations, class assignments, project work, and presentations would also be a part of the overall assessment of the student.

Semester	Core Credit- 14x6=84	AECC 2x4=8	SEC 2x4=8	DSE 4x6=24	GE 4x6=24
I	EDU-HC-1016	English/MIL communication			EDU-HG-1016
	EDU-HC-1026				
II	EDU-HC-2016	Environmental science			EDU-HG-2016
	EDU-HC-2026				
III	EDU-HC-3016		EDU-SE-3014		EDU-HG-3016
	EDU-HC-3026				
	EDU-HC-3036				
IV	EDU-HC-4016		EDU-SE-4014		EDU-HG-4016

	EDU-HC-4026				
	EDU-HC-4036				
V	EDU-HC-5016			*Any one* EDU-HE-5016 / EDU-HE-5026	
	EDU-HC-5026			*Any one* EDU-HE-5036/ EDU-HE-5046	
VI	EDU-HC-6016			*Any one* EDU-HE-6016/ EDU-HE-6026	
	EDU-HC-6026			*Any one* EDU-HE-6036/ EDU-HE-6046	

List of Papers

B.A. Education (Honours)

		Core Papers		
Sl. No	Course code	Title of the Paper	Credit
1	EDU-HC-1016	Principles of Education	6
2	EDU-HC-1026	Psychological foundations of Education & laboratory practical	4+2
3	EDU-HC-2016	Philosophical and Sociological Foundations of Education	6
4	EDU-HC-2026	Development of Education in India- I	6
5	EDU-HC-3016	Development of Education in India- II	6
6	EDU-HC-3026	Educational Technology and Teaching Methods	6
7	EDU-HC-3036	Value and Peace Education	6
8	EDU-HC-4016	Great Educational Thinkers	6
9	EDU-HC-4026	Educational Statistics & Practical	4+2
10	EDU-HC-4036	Emerging Issues in Education	6
11	EDU-HC-5016	Measurement and Evaluation in Education & Laboratory Practical	4+2
12	EDU-HC-5026	Guidance and Counselling	6
13	EDU-HC-6016	Education and Development	6
14	EDU-HC-6026	Project	6
		Discipline Specific Elective Papers (DSE)	
1 2	EDU-HE-5016/ EDU-HE-5026	Continuing Education/ Developmental Psychology	6
3 4	EDU-HE-5036/ EDU-HE-5046	Human Rights Education/ Teacher Education in India	6
5 6	EDU-HE-6016/ EDU-HE-6026	Mental Health & Hygiene/ Special Education	6

7	EDU-HE-6036/	Educational Management/	6
8	EDU-HE-6046	Women and Society	
Generic Elective (GE)			
1	EDU-HG-1016	Foundations of Education	6
2	EDU-HG-2016	Psychology of Adolescents	6
3	EDU-HG-3016	Guidance and Counselling	6
4	EDU-HG-4016	History of Education in India	6
Skill Enhancement Course (SEC)			
1	EDU-SE- 3014	Public speaking skill	4
2	EDU-SE-4014	Writing Bio-data and facing an Interview	4
Ability Enhancement Compulsory Course (AECC)			
1		English/MIL Communication	
2		Environmental Science	

Details of courses under B.A. English (Honors)

Course	Credits
	Theory + Tutorial

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I. Core Course   14X5=70
(14 Papers)

Core Course Tutorials
(14 Papers)   14X1=14

II. Elective Courses
(8 Papers)
A.1. Discipline Specific Elective   4X5=20
(4 Papers)

A.2. Discipline Specific Elective
   Tutorials
    4X1=4
(4 Papers)

B.1. Generic Elective/Interdisciplinary   4X5=20
(4 Papers)
B.2. Generic Elective Tutorials   4X1=4
(4 Papers)

III. Ability Enhancement Courses
1. **Ability Enhancement Compulsory Courses (AECC)**   2 X 4=8
(2 Papers of 4 credits
  each) Environmental
  Science English
  Communication/MIL
2. **Skill Enhancement Courses (SEC)**
  (Minimum 2, Max. 4)   2 X4=8
(2 Papers of 4 credits each)

                    Total credits= 148

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A. Honours (English)

SEMESTER	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (4)
I	C 1	(English/ MIL Communication)/ Environmental Science			GE 1
	C 2				
II	C 3	Environmental Science/ (English/ MIL Communication)			GE 2
	C 4				
III	C 5		SEC 1		GE 3
	C 6				
	C 7				
IV	C 8		SEC 2		GE 4
	C 9				
	C 10				

V	C 11			DSE 1	
	C 12			DSE 2	
VI	C 13			DSE 3	
	C 14			DSE 4	

Details of Courses Under Undergraduate Programme (B.A.)

Course	*Credits
==	
	Paper + Tutorial
I. Core Course	12X5=60
(12 Papers)	
Two papers – English	
Two papers – AltE/MIL	
Four papers – Discipline	
1. Four papers –	
Discipline 2.	
Core Course Tutorial*	12X1=12
(12 Tutorials)	
II. Elective Course	6X5=30
(6 Papers)	
Two papers- Discipline 1	
specific Two papers- Discipline	
2 specific Two papers- Inter	
disciplinary	
Two papers from each	
discipline of choice and two	
papers of interdisciplinary	
nature.	
Elective Course Tutorials*	6X1=6
(6 Tutorials*)	
Two papers- Discipline 1	
specific	
Two papers- Discipline 2	
specific	

Two papers- Generic (Interdisciplinary) Two papers from each discipline of choice including papers of interdisciplinary nature.

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory Courses (AECC)**   2 X 8=8

   (2 Papers of 4 credits each) Environmental
   Science English Communication/MIL

2. **Skill Enhancement Courses (SEC)**   4 X 4=16

   (4 Papers of 4 credits each)

Total credits= 132

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A./B.Com

SEMESTER	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (2)
I	English 1	(English/ MIL Communication)/			
	DSC 1A				
	DSC 2A	Environmental Science			
II	English 2	(English/ MIL Communication)/			
	DSC 1B				
	DSC 2B	Environmental Science			
III	Alt English 1/MIL		SEC 1		

	1				
	DSC 1C				
	DSC 2C				
IV	Alt English 2/MIL 2		SEC 2		
	DSC 1D				
	DSC 2D				
V			SEC 3	DSE 1 A	GE 1
				DSE 2 A	
VI			SEC 4	DSE 1 B	GE 2
				DSE 2 B	

Structure of B.A./B.Com. under CBCS

English

(DSC: Discipline Specific Core; SEC: Skill Enhancement Course; GE: Generic Elective)

Semester 1
Compulsory Core: ENG-CC-1016 English I
DSC 1A: ENG-RC-1016 Individual and Society
AECC: English Communication Skills/MIL/EVS (To be provided by the Concerned Department)

Semester 2
Compulsory Core: ENG-CC-2016 English II
DSC 1B: **ENG-RC-2016** Modern Indian Literature
AECC: English Communication Skills/MIL/EVS (To be provided by the Concerned Department)

Semester 3
Compulsory Core: ALT-CC-3016 Alternative English I
DSC 1C: ENG-RC-3016 British Literature
SEC -1: **ENG-SE-3014** Creative Writing, Book and Media Reviews

Semester 4
Compulsory Core: ALT-CC-4016 Alternative English II
DSC 1D: ENG-RC-4016 Literary Cross Currents: Forms: Prose, Poetry, Fiction & Play
SEC-2: ENG-SE-4014 Translation Studies and Principles of Translation

Semester 5
SEC-3: ENG-SE-5014 Technical Writing
DSE-1A: ENG-RE-5016 Soft Skills
GE-1: ENG-RG-5016 Contemporary India: Women and Empowerment

Semester 6
DSE-1B: ENG-RE-6016 Academic Writing
GE -2: ENG-RG-6016 Cultural Diversity
SEC- 4: ENG-SE-6014 Business Communication

Details of courses under B.A. English (Honors)

Course	Credits
	Theory + Tutorial

===

I. Core Course
(14 Papers)   14X5=70

Core Course Tutorials
(14 Papers)   14X1=14

II. Elective Courses
(8 Papers)
A.1. Discipline Specific Elective   4X5=20
(4 Papers)

A.2. Discipline Specific Elective
      Tutorials
         4X1=4
(4 Papers)

B.1. Generic Elective/Interdisciplinary   4X5=20
(4 Papers)
B.2. Generic Elective Tutorials   4X1=4
(4 Papers)

III. Ability Enhancement Courses
1. **Ability Enhancement Compulsory Courses (AECC)**   2 X 4=8
(2 Papers of 4 credits
    each) Environmental
    Science English
    Communication/MIL
2. **Skill Enhancement Courses (SEC)**
    (Minimum 2, Max. 4)   2 X4=8
(2 Papers of 4 credits each)

                                        Total credits= 148

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A. Honours (English)

SEMESTER	CORE COURSE (14)		Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (4)
I	C 1		(English/ MIL Communication)/ Environmental Science			GE 1
	C 2					
II	C 3		Environmental Science/ (English/ MIL Communication)			GE 2
	C 4					
III	C 5			SEC 1		GE 3
	C 6					
	C 7					
IV	C 8			SEC 2		GE 4
	C 9					

	C 10				
V	C 11			DSE 1	
	C 12			DSE 2	
VI	C 13			DSE 3	
	C 14			DSE 4	

Details of Courses Under Undergraduate Programme (B.A.)

Course	*Credits
===	
	Paper + Tutorial
I. Core Course **(12 Papers)**	12X5=60
Two papers – English Two papers – AltE/MIL Four papers – Discipline 1. Four papers – Discipline 2.	
Core Course Tutorial* **(12 Tutorials)**	12X1=12
II. Elective Course **(6 Papers)**	6X5=30
Two papers- Discipline 1 specific Two papers- Discipline 2 specific Two papers- Inter disciplinary Two papers from each discipline of choice and two papers of interdisciplinary nature.	
Elective Course Tutorials* **(6 Tutorials*)**	6X1=6
Two papers- Discipline 1 specific	

Two papers- Discipline 2
specific
Two papers- Generic
(Interdisciplinary) Two papers
from each discipline of choice
including papers of
interdisciplinary nature.

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory Courses (AECC)**   2 X 8=8
   (2 Papers of 4 credits each) Environmental
      Science English Communication/MIL
2. **Skill Enhancement Courses (SEC)**   4 X 4=16
   (4 Papers of 4 credits each)

Total credits= 132

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A./B.Com

SEMESTER	CORE COURSE (12)		Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (4)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (2)
I	English 1		(English/ MIL Communication)/ Environmental Science			
	DSC 1A					
	DSC 2A					
II	English 2		(English/ MIL Communication)/ Environmental Science			
	DSC 1B					
	DSC 2B					

III	Alt English 1/MIL 1		SEC 1		
	DSC 1C				
	DSC 2C				
IV	Alt English 2/MIL 2		SEC 2		
	DSC 1D				
	DSC 2D				
V			SEC 3	DSE 1 A	GE 1
				DSE 2 A	
VI			SEC 4	DSE 1 B	GE 2
				DSE 2 B	

Structure of B.A. Honours in English under CBCS

Discipline Specific Core (Compulsory)

Semester I

- ENG-HC-1016 Indian Classical Literature
- ENG-HC-1026 European Classical Literature

Semester II

Course Structure and Syllabus for B.A. (Regular) Three Year Degree Programme in History, Gauhati University as recommended by the CCS-UG of the Department of History, Gauhati University in its meeting held on 14.05.2019.

COURSE STRUCTURE

Semester	Core Course (4)	Ability Enhancement Compulsory Courses (AEC) (2)	Skilled Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (2)	Elective: Generic (GE) (2)
I	HIS –RC-1016: History of India from Earliest Times up to c. 1206	(English/MIL Communication)			
II	HIS –RC-2016: History of India from c. 1206 to 1757	Environmental Studies			
III	HIS –RC-3016 History of India (c. 1757 - 1947)		HIS –SE-3014: Historical Tourism in North East India		
IV	HIS –RC-4016 Social And Economic History of Assam		HIS –SE-4014: Oral Culture and Oral History		
V			SEC (from other department)	HIS –RE-5016: History of Assam from Earliest times to 1826	HIS –RG-5016 History of Europe (c. 1648 – 1870)
VI			SEC (from other department)	HIS –RE-6016 History of Assam (c. 1826- 1947)	HIS –RG-6016 History of Europe (c. 1870-1939)

LIST OF COURSES FOR B.A. (REGULAR) THREE YEAR DEGREE PROGRAMME IN HISTORY, GAUHATI UNIVERSITY

CORE COURSES **(4 courses)**

Credits: 6 per course
Lectures : 5 ; Tutorial : 1 (per week)
HIS –RC-1016: History of India (from Earliest Times up to c. 1206)
HIS –RC-2016: History of India (c.1206 - 1757)
HIS –RC-3016: History of India from (c.1757 - 1947)
HIS –RC-4016: Social and Economic History of Assam

Discipline Specific Elective Courses **(2 courses)**

Credits: 6 per course
Lecture : 5 ; Tutorial : 1 (per week)

HIS –RE-5016 History of Assam (From earliest times till 1826 CE)
HIS –RE-6016 History of Assam (c. 1826- 1947)

Skill Enhancement Elective Courses **(2 Courses offered out of 4; students are to take 2 courses from other courses)**

Credits: 4 per course
Lecture : 3; Tutorial : 1 (per week)

HIS –SE-3014: Historical Tourism in North East India
HIS –SE-4014: Oral Culture and Oral History

Generic Elective Courses **(2 courses)**

Credits: 6 per course
Lecture : 5 ; Tutorial : 1 (per week)
HIS –RG-5016 History of Europe (c. 1648 – 1870)
HIS –RG-6016 History of Europe (c. 1870 – 1939)

<table>
<tr><td colspan="6" align="center">Course Structure and Syllabus of B.A. (Honours) Three Year Degree Programme in History, Gauhati University as recommended by the CCS-UG of the Department of History, Gauhati University in its meeting held on 14.05.2019.</td></tr>
</table>

COURSE STRUCTURE

	Core Course (14)	Ability Enhancement Compulsory Courses (AEC) (2)	Skilled Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (4)	Elective: Generic (GE) (4)
I	HIS –HC-1016 : History of India-I HIS –HC-1026: Social Formations and Cultural Patterns of the Ancient World	(English/MIL Communication)			HIS –HG-1016: History of India (from Earliest Times to c. 1206)
II	HIS –HC-2016: History of India-II HIS –HC 2026: Social Formations and Cultural Patterns of the Medieval World	Environmental Studies			HIS –HG-2016: History of India (c.1206 – 1757)
III	HIS –HC-3016: History of India-III (c. 750-1206) HIS –HC-3026: Rise of the Modern West-I HIS –HC- 3036: History of India IV (c.1206-1550)		HIS –SE-3014: Historical Tourism in North East India		HIS –HG-3016: History of India (c. 1757 – 1947)
IV	HIS –HC-4016: Rise of the Modern West-II HIS –HC-4026: History of India-V (c. 1550-1605) HIS –HC- 4036: History of India-VI (c. 1605-1750)		HIS –SE-4014: Oral Culture and Oral History		HIS –HG-4016 Social And Economic History of Assam
V	HIS –HC-5016: History of Modern Europe - I (c. 1780-1939) HIS –HC- 5026: History of India-VII (c. 1750-1857)			HIS –HE-5016: History of Assam upto c. 1228 HIS –HE-5026: History of Assam (c. 1228-1826)	
VI	HIS –HC-6016: History of India-VIII (c. 1857-1950) HIS –HC- 6026: History of Modern Europe- II (c. 1780-1939)			HIS –HE-6016: History of Assam (c. 1826- 1947) HIS –HE-6026 : Assam since Independence	

COURSE LIST OF B.A (HONS) PROGRAMME IN HISTORY UNDER UGCBCS - GAUHATI UNIVERSITY

CORE COURSES
(14 Courses) Credits: 6 per course
Lectures : 5; Tutorial : 1 (per week)
HIS-HC-1016 : History of India-I (Earliest times to 300 BCE)
HIS-HC-1026: Social Formations and Cultural Patterns of the Ancient World
HIS-HC-2016: History of India-II (BCE . 300- 750)
HIS-HC-2026: Social Formations and Cultural Patterns of the Medieval World
HIS-HC-3016: History of India-III (c. 750-1206)
HIS-HC-3026: Rise of the Modern West-I
HIS-HC-3036: History of India -IV (c.1206-1550)
HIS-HC-4016: Rise of the Modern West-II
HIS-HC-4026: History of India-V (c. 1550-1605)
HIS-HC-4036: History of India-VI (c. 1605-1750)
HIS-HC-5016: History of Modern Europe- I (c. 1780-1939)
HIS-HC-5026: History of India-VII (c. 1750-1857)
HIS-HC-6016: History of India-VIII (c. 1857-1950)
HIS-HC-6026: History of Modern Europe- II (c.1780-1939)

Ability Enhancement Courses
 (2 Courses) Credits-2 per course
Environmental Science
English/ MIL

Skill Enhancement Elective Courses **(2 Courses)**
Credits: 4 per course
Lectures : 3; Tutorial : 1 (per week)
HIS –SE-3014: Historical Tourism in North East India
HIS –SE-4014: Oral Culture and Oral History

Discipline Specific Elective Courses
(4 Courses) Credits: 6 per course
Lectures : 5; Tutorial : 1 (per week)
HIS –HE-5016: History of Assam up to c. 1228
HIS –HE-5026: History of Assam (c.1228-1826)
HIS –HE-6016: History of Assam (c.1826-1947)
HIS –HE-6026: Assam after Independence

Generic Elective Courses
(4 Courses) Credits: 6 per course
 Lectures : 5; Tutorial : 1 (per week)
HIS –HG-1016: History of India from Earliest Times up to c. 1206
HIS –HG-2016: History of India (c.1206 – 1757)
HIS –HG-3016: History of India (c.1757 – 1947)
HIS –HG-4016: Social and Economic History of Assam

Gauhati University
Post Graduate Diploma in Computer Application

Preferably students having Mathematics at the Higher Secondary level and obtaining minimum pass mark in the subject be admitted to the course OR a special bridge course may be designed by the Colleges for students not having Mathematics at the Higher Secondary level.

Number of hours/day   -   4 hours
Number of days/week -   4 days

Semester I

Sl No.	Subject Code	Name of the Subject	Hours		Marks(%)	
			Theory	Practical	Theory	Practical
1	PGDCAP1	ICT Hardware	25	36	50	50
2	PGDCAP2	Programming in C	30	32	70	30
3	PGDCAP3	Overview of Operating System (DOS, Windows, UNIX / Linux and Shell Programming)	16	38	30	70
4	PGDCAP4	Introduction to Office Automation	12	50	20	80
5	PGDCAP5	Database Management System	36	26	70	30

Semester II

Sl. No.	Subject Code	Name of the Subject	Hours		Marks(%)	
			Theory	Practical	Theory	Practical
1	PGDCAP6	Data Structure through C language	36	20	70	30
2	PGDCAP7	Internet and Web Technology	25	30	50	50
3	PGDCAEL1	GUI Application Programming	25	30	50	50
	PGDCAEL2	Computer Oriented Numerical Methods	36	20	70	30
	PGDCAEL3	Computer Graphics	36	20	70	30
	PGDCAEL4	Object Oriented Programming with C++	36	20	70	30
4		Project	100 marks			

PGDCAP1 ICT Hardware

UNIT I Fundamentals: Block Diagram of a Computer, CPU, Memory (Primary/Secondary), RAM, ROM, Hardware, Software, Representation of Information, Number Systems-binary, octal, hexadecimal, ASCII, EBDIC, Gray codes.

UNIT II: Evolution of computer system, Modern computer, Classification of computer, Personal Computer hardware: Monitor, Keyboard, Mouse, Scanner, printer, speaker

UNIT III: Hard Disk Drive: logical structure and file system, FAT, NTFS. Hard disk tools: Disk cleanup, error checking, de fragmentation, scanning for virus, formatting, installing additional HDD. New trends in HDD. Floppy Disk Drive

UNIT IV: Optical Media, CDROM, theory of operation, drive speed, buffer, cache, CD-r, CD-RW, DVD ROM, DVD technology, preventive maintenance for DVD and CD drives, New Technologies. Driver installation, Writing and cleaning Cd and DVD.

UNIT V: Processor: Intel processor family. Latest trends in processor, Motherboard, Sockets and slots, power connectors. Peripheral connectors. Bus slots, USB, pin connectors. Different kinds of motherboards. RAM, different kinds of RAM. RAM up gradation**.** Cache and Virtual Memory concept.

UNIT VI: SMPS. BIOS. Network Interface Card, network cabling, I/O Box, Switches, RJ 45 connectors, Patch panel, Patch cord, racks, IP address.

IT PRACTICAL WORK SHOP:

Objectives:

The Practical introduces the students to a personal computer and its basic peripherals, the process of assembling a personal computer, installation of system software like Windows OS, LINUX OS, device drivers. Basic system administration in Linux which includes: Basic Linux commands in bash, Create hard and symbolic links, Text processing, using wildcards In addition hardware and software level troubleshooting process, tips and tricks would be covered.

Different ways of hooking the PC on to the network and internet from home and workplace and effectively usage of the internet. Configuring the TCP/IP setting. Usage of web browsers, email, newsgroups and discussion forums would be covered. In addition, awareness of cyber hygiene, i.e., protecting the personal computer from getting infected with the viruses, worms and other cyber attacks would be introduced.

Task 1: Identify the peripherals of a computer, components in a CPU and its functions. Draw the block diagram of the CPU along with the configuration of each peripheral and submit to your instructor.

Task 2: Every student should disassemble and assemble the PC back to working condition. Lab instructors should verify the work and follow it up with a Viva.

Task 3: Every student should individually install MS windows on the personal computer. Lab instructor should verify the installation and follow it up with a Viva.

Task 4: Every student should install Linux on the computer. This computer should have windows installed. The system should be configured as dual boot with both windows and Linux. Lab instructors should verify the installation and follow it up with a Viva

Task 5: Basic commands in Linux

Task 6: Hardware Troubleshooting: Students have to be given a PC which does not boot due to improper assembly or defective peripherals. They should identify the problem and fix it to get the computer back to working condition. The work done should be verified by the instructor and followed up with a Viva

Task 7: Software Troubleshooting: Students have to be given a malfunctioning CPU due to system software problems. They should identify the problem and fix it to get the computer back to working condition. The work done should be verified by the instructor and followed up with a Viva.

Task 8: The test consists of various systems with Hardware / Software related troubles, Formatted disks without operating systems. Installation of anti virus software, configure their personal firewall and windows update on their computer. Then they need to customize their browsers to block pop ups, block active x downloads to avoid viruses and/or worms.

BOOKS RECOMMENDED :

1. Vikas Gupta; Comdex' Hardware and Networking Course Kit; DreamTech press.

2. Ron Gilster; PC hardware: A beginners Guide; Tata McGraw Hill. (First edition).

PGDCAP2   Programming in C

Basic concepts of Computing:
Introduction to Programming
Concept of computing: Algorithm, Flowchart
Programming Languages (Machine language, Assembly language, High Level
    Language)
Translators (Assembly, Compiler, Interpreter)
Algorithm for Problem Solving
Introduction to C Language Data types, Operators, Conditional Statements & Loops
Function, parameter passing,
Arrays, Pointers(programs using array and pointers like sum, average, minimum,
maximum of numbers of an array, add and delete an element of an array, merge two
sorted arrays ,string manipulation, programs like addition and their combination, sum
of rows, columns and diagonal elements of matrix, transpose of matrix)
Structures (Declaration and use, structure member resolution, structure pointer
resolution) and union
File Processing (file in C-opening, closing, reading and writing of files)

BOOKS RECOMMENDED:

1. R.G.Dromey; How to solve it by Computer; Prentice Hall of India, 1992; (First
    Edition).

2. Cooper, Mullish; The Spirit of C, Jaico Publishing House; New Delhi, 1987.
    (Fourth Edition).

3. B. Gottfried; Programming in C; Tata McGraw Hill, New Delhi; (Second Edition).

4. B.W. Kernighan, D. M. Ritchie; The C Programming Language; Prentice Hall of
    India, 1989. (Second Edition).

PGDCAP3   Overview of Operating System

What is operating system? Types of operating system, (Batch, multiprogramming, time sharing, real time system) Functions of OS, Operating system as resource manager.

Disk operating system: main files, DOS Commands-Internal Commands & External Commands. Batch files.Config.sys and Autoexec.bat file.

Windows OS-An overview of different versions of windows, Basic windows elements. File management through windows. Widows accessories, windows Explorer, Entertainment system tools, Understanding OLE.

Linux OS : Introduction to Linux, Files and directories, architecture(kernel, shells, utilities) and various Linux commands. File manipulations, redirection and filters , editors(vi, ed etc.) Concept of process, System administration: File system, system administration commands.

BOOKS RECOMMENDED :

1. Rajiv Mathur; Learning Windows 98 Step-By-Step; BPB Publication.

2. Crawford; Window 98 - No Experience Required; BPB Publications.

3. Sumitabha Das; UNIX concepts & applications; Tata McGraw Hill, New Delhi; (fourth Edition).

4. A.S. Tanenbaum; Modern Operating Systems; Prentice Hall of India, New Delhi, 1995; (Third Edition).

PGDCAP4 Introduction to Office Automation

Word Processing
Introduction to Word Processing , Features , Learning document window,
Creating , Saving & Closing a document, Opening an Existing document , Editing
a Document , Formatting Features (Paragraph Formats, Aligning text & paragraph,
Border and Shading, Header & Footers,   Bullet & Numbering) , Inserting   &
Editing a Table , Inserting Picture, Checking & Spelling Correction, Page Setup ,
Print Preview , Printing a document ,   Mail Merge , Document Template &
Wizards.

Spreadsheet
Introduction to Spreadsheet, creating, saving and editing a workbook, Inserting,
deleting Worksheets, Opening & Moving around in an existing worksheets, Working
with Formula
& Cell referencing. Functions, Working with ranges - creating, editing and selecting
ranges. Format Feature :: AutoFormat Feature, Changing alignment, Character styles,
Date Format, Border & Colors etc. Previewing & Printing a worksheet, Creating
Charts & Graphs. Database in worksheet, macro, linking and embedding

Presentation Tools
Creating & saving Presentations , Opening an existing Presentation, Working in
different views, Working with slides, Adding and Formatting Text, Formatting
Paragraphs, Checking Spelling and correcting typing mistakes , Adding clip art
and other pictures, Inserting Animation, Designing slide shows, Running and
controlling slide show, Printing Presentation.

Portable Document Format: storing, creation, conversion.

DTP Software
Local language pack in Office Packages: installation and use.

Document design using any DTP package. Graphics design and manipulation using
any currently available package.

BOOKS RECOMMENDED :

1. Rajiv Mathur; Learning Word 97 for Windows Step-By-Step; BPB Publication.
    Publication

2. Rajiv Mathur; Learning Excel 97 for Windows Step-by-Step; BPB publication.

3. Lonnie E. Moseley and David M. Boodey; Mastering Office 97, BPB
    Publications.

4. Microsoft Office 97 –Unleashed; Techmedia.

5. Perry; Teach Yourself Office 97 in 24 Hours – Techmedia.

6. Hart; ABC of Office 97 Professional; BPB Publications.

PGDCAP5 Database Management System

Overview of Database Management
Definition of Database, characteristics of database approach Advantages of DBMS
E-R model as a tool for conceptual design- entities, attributes and relationships, weak entity and strong entity, Relational Models
Relational DBMS, RDBMS terminology, primary key and foreign key Relational database design Integrity constraints, functional dependencies, Normal forms (1NF, 2NF, 3NF, BCNF)
Introduction to SQL, Advantages of SQL, Data types & literals, Creating tables & Inserting, Deleting and Updating Records, Types of SQL commands, SQL Operators and their precedence. Queries and sub queries, Use of Built-in functions, Aggregate Queries, Join Operations in SQL. Application Programming Interfaces and integration of front end and back end.

BOOKS RECOMMENDED

1. R. Elmasri, S, Navathe; Fundamentals of Database Systems, Benjamin
  Cummings, 1994; (Second Edition).

2. H. Korth, A.Silberschatz; Database System Concepts; McGraw-Hill, 1991; (Second
  Edition).

3. A K Majumdar, P Bhattacharyya; Database Management Systems; Tata
  McGraw-Hill, 1996. (First Edition).

PGDCAP6   Data Structure through C Language

Introduction to data structure
Basic concept, Abstract data types, Fundamental and derived data types. Representation, primitive data structures.
Arrays
Single and multidimensional arrays. Address calculation using column and row major ordering. Various operations on Arrays. Matrix multiplication.
Stack and queues
Resprestation of stacks and queue using arrays and linked-list. Circular queues.
Applications of stacks
Conversion from infix to postfix and prefix expressions, postfix evaluation algorithm
Linked lists
Singly linked list; operations on Linked-list . Circluar linked lists, Doubly linked lists.
Trees
Basic terminology, Binary tree traversal methods - Preorder, Inorder and Postorder . Application of binary tree, Binary search tree, insertion and search operations on binary search tree.
Searching and sorting
Searching: Sequential and binary searches.
Sorting - Insertion, selection, bubble, quick, merge, radix.
Graphs
Definition of Graph, Graph terminology, Directed, Undirected & Weighted graphs. Graph representation: Adjacency matrix, Adjacency lists.

BOOKS RECOMMENDED :

1. Robert L. Kruse; Data Structures and Program Design; Prentice Hall, 1987. (Second Edition).

2. A. S. Tanenbaum; Data Structure using C; PHI.

3. H. Sahani; Fundamentals of Data Structure in C; Orient Publications. (Second Edition).

PGDCAP7 Internet and Web Technology

Introduction to internet
Internet, Growth of internet, Anatomy of internet , History of WWW and basic internet terminologies ., Browsers , Electronic mail .
Internet Applications : Commerce on the internet , Governance on the internet , Impact of internet on society .

Internet technology and protocols
What is networks ? Need of computer networks. Characteristics of LAN, MAN, WAN .
A brief idea of OSI reference model and TCP/IP . Difference between OSI and TCP/IP.
Physical topologies (Bus , Ring , Tree , Star , Hybrid etc ..)
Logical topologies (protocols) A brief description of Ethernet, FDDI , ATM , Token ring
.

File transfer protocol
Introduction to FTP & terminologies, FTP servers and authentication, GUI based FTP clients, Browser based FTP clients.

Internet management security concepts:
Overview of internet security, Firewalls. Internet security management concepts & information. Privacy & copyright issues.

HTML:
Introduction to HTML, basics & elements of HTML, attributes, headings, paragraphs, links, Images, Lists, Tables, Forms, Frames

Client side scripting: Introduction to JavaScript & its basics, data types, variables operators, functions looping, objects, arrays, strings.

Server side scripting: Introduction to PHP, basic programming principles & database connectivity.
.

BOOKS RECOMMENDED :

1. HTML & XML an Introduction. PHI .

2. A. S. Godbole, A. Kahate; Web Technologies; Tata McGrew-hill;

3. Andrew S. Tanenbaum; Computer Network; PHI; (Fourth Edition);

PGDCAEL1 GUI Application Programming

Theory: 50 Marks

Introduction:

Basic idea of GUI based applications, advantages, IDE and its use; User Interface design principles, Event Driven Programming.

Review of Data Types Control Statements:

Data Types, Variables & Constant, Arrays, Procedures, Methods, Arguments Passing, Functions Return Values. Control Flow Statements: - If-then, if-then-else, select case; Looping Statements- For, While, Do-while; and Nested Control Structure.

Multiple Document interface – Parent & child forms & method

Working With Forms & Standard Controls:

Form designing; adding controls to forms: Text Box, Command Button, Combo Box, List Box, Radio buttons, Check boxes, Pull-down and Pop-up Menus, File list, other Controls.

Error Handling: - Types of errors, Error handling methods and Functions.

Graphics Controls:

Graphics Controls, Image Handling, Coordinate System, Graphic methods- Text Drawing, Lines & Shape, Filling Shapes, and Grid Methods.

Database Connectivity:

Connecting to databases; addition, retrieval, deletion, and updation of data into database tables; adding data controls in applications;

Practical: 50 Marks

Practical application development using either .NET or Java.
At least 20 Practical assignments covering each of the topics mentioned in the theory part. Emphasis must be on developing full-fledged applications containing multiple forms and database connectivity.

BOOKS RECOMMENDED:

1. J. Weber; Special Edition Using Java 2 Platform; PHI.

2. M. P. Bhave, S. A. Patekar; Programming with Java; Pearson education.

3. Joshua Bloch; Effective Java: Programming Language Guide; Sun Microsystems.

PGDCAEL2   Computer Oriented Numerical Methods

Computer Arithmetic : Floating point representation, single and double precision, arithmetic operations using normalised floating point numbers and their consequences, errors in number representation.
Solution of non-linear equations:
Bisection method & Newton's method, Regular falsi algorithm.
Solution of simultaneous linear equations:
Gauss elimination, Gauss-Jordan algorithm, Gauss Seidel method, pivoting strategy.
Ordinary differential equations:
Euler's method & Runge-Kutta method (2nd and 4th order).
Numerical Integration:
Trapezoidal rule & Simpsons rule.
Interpolation and approximation:
Polynomial interpolation, difference table and Calculus of differences, Lagrange's interpolation formula, least square approximation.

Linear Programming:
Formulation and solving linear programming problems, graphical method, Simplex method.

BOOKS RECOMMENDED

1. B S Grewal; Numerical Methods; Khanna Publication; (Second Edition);

2. Veerarjan Ramachandran; Numerical Methods; Tata MacGraw Hill.(Second edition);

3.   N K Jain , S R K Iyengar, R K Jain; Numerical methods for science and engineering Computation; New Age International (P) Ltd. (Fifth Edition);

4. A K Jaiswal, Anju Khandelwal; Computer Based Numerical and Statistical Techniques; New Age International; (First Edition).

PGDCAEL3   Computer Graphics

Introduction : Types and Applications of computer graphics
Graphic Devices.
Input devices - Keyboard, Mouse, Trackball and Space ball, Joysticks, Data Glove, Digitizers, Image scanners, Touch Panels, Light pens.
Output devices - Raster Scan displays, Refresh CRT, Video Controller, Raster Scan display, Processor Digital frame buffer.
Penetration CRT, Color look-Up tables.
Flat panel displays
VGA and SVGA resolutions.
Output primitives and 2-d transformation
Line Driving Algorithms: DDA algorithms Bresenhan's Line Algorithm
Matrix representations and use of homogeneous coordinate systems. Translation, rotation, scaling, mirror reflection.
Rotation and scaling about an arbitrary point, composite transformation, Zooming and panning
Segmented curve and smooth curve drawing algorithm
Window and clipping
Clipping operations and algorithm
Filling
Concept of 3-D graphics
Hidden Surface removal
Introduction to Multimedia

BOOKS RECOMMENDED:

1. D. Hearn, P. M. Baker; Computer Graphics; Prentice Hall of India, 1995; (2nd Edition);

2. D. F. Rogers; Procedural elements for Computer Graphics, McGraw Hill International.

3. Rogers, Adams; Mathematical Elements for Computer Graphics, McGraw Hill International

4. S. Harrington; Computer Graphics – A Programming; McGraw Hill Approach International; (Second Edition);

PGDCAEL4 Object Oriented Programming and C++

1.Principles of Object Oriented Programming

1.1 Basic concept of OOP,
1.2 Procedural programming vs OOP
1.3 Advantages of OOP, OOP languages
1.4 Concept of Class, Objects, Concept of Inheritance and encapsulation,
1.5 Operator overloading, Dynamic Binding.
1.6 Overview of OPP using C++,
1.7 Basic program construction.

2.Elements of C++ Language

2.1   Keywords and Identifiers in C++
2.2   Variables and Constants,
2.3   Declaration and Initialization of Variables,
2.4   Concept of Dynamic Initialization of variables, Enumerated variables,
2.5   Basic Data Types,
2.6   Arrays and Strings, User Defined Data types,
2.7   Arithmetic, Relational, Logical Operators and Operator Precedence
2.8   Manipulators, Type Conversions and type cast operators
2.9   Console I/O: cin, cout functions.
2.10   Control Statements.-if; if-else; else….if; switch statements
2.11   Loops: for, while, do-while, Break, continue, go to

3.Functions

3.1 Syntax of a Function.
3.2 Function Prototype, Calling function, Function definition
3.3 Passing arguments and returning values.
3.4 Pass by value, pass by reference.
3.5 Passing and returning structure variables
3.6 Inline and overloaded function
3.7 Default arguments, returning by reference.

4.Classes and Objects

4.1   Definition and Declaration of a Class
4.2   Declaration of members.
4.3   Declaration of objects
4.4   Objects as function arguments.
4.5   Array of objects.
4.6   Returning objects from function.
4.7   Structures and classes.

5. Constructors and Destructors

5.1 Concept of constructors. Types of constructors. Parameterized constructor, Constructor with default arguments, Copy constructors
5.2 Dynamic Initialization of Objects   .
5.3 Concept of Destructors.

6 Operator Overloading

      6.1 Concept of Operator Overloading
      6.2 Unary and Binary Operators.
      6.3 Overloading of unary and binary operators.

7. Derived Classes and Inheritance

      7.1   Concept of inheritance
      7.2   Derived and Base Class- Definition and Declaration.
      7.3   Types of Inheritance.
      7.4   Public, Private and Protected Access
      7.5   Constructors in Derives Classes

8. Pointers

      8.1.   Pointer Basics.
      8.2.   Address Operator and Pointer Variables.
      8.3.   Pointer Arithmetic.
      8.4.   New And Delete Operator
      8.5.   Null Pointer.
      8.6.   Reference and Constant pointer.
      8.7.   Array of Pointers.
      8.8.   Pointers to Object and Pointers to Pointer.

9.   Virtual Function & Polymorphism

      9.1 Pointers to Derived Objects and Virtual Functions.
      9.2 Early binding vs. Late binding.
      9.3 Abstract Classes and Pure Virtual Function.

BOOKS RECOMMENDED:

1.   Robert Laffore; Object Oriented Programming in Turbo C++;
     Galgotia Publication,1996; (Fourth Edition).
2.   E. Balaguruswamy; Object Oriented Programming with C++;Tata
     McGrahill, 1997; (Third Edition) ;
3.   Yashavant Kanitkar; Visual C++ Programming; BPB Publications,1998.
4.   S.B. Lippman; C++ Primer; Addison Wesely, 1995 ; (Third Edition).
5.   Stastroup; The Elements of C++ Programming; Addison Weiley
      Publication, 1995.

Scheme for Choice Based Credit System (CBCS) in B.A (Honours), Political Science

Type Credits	Core Course 14X6=84	Ability Enhancement Compulsory Course AECC 2X4=8	Ability Enhancement Paper SEC 2X4 =8	Elective: Discipline Specific DSE 4X6=24	Elective: Generic GE 4X6=24
Semester I	**POL HC 1016** Understanding Political Theory **POL HC 1026** Constitutional Government and Democracy in India	**ENG-AE-1014** (English/ MIL Communication)/ Environmental Science			**POL HG 1016** Introduction to Political Theory Or **POL HG 1026** Politics of North-east India Or **POL HG 1036** Governance: Issues and Challenges
Semester II	**POL HC 2016** Political Theory-Concepts and Debates **POL HC 2026** Political Process in India	**ENV-AE-2014** Environmental Science/ (English/ MIL Communication)			**POL HG 2016** Indian Government and Politics Or **POL HG 2026** Feminism: Theory and Practice Or **POL HG 2036** Local Rural and Urban Governance

Semester III	POL HC 3016 Introduction to Comparative Government and Politics		POL SE 3014 Parliamentary Procedures and Practices		POL HG 3016 Comparative Government and Politics
	POL HC 3026 Perspectives on Public Administration		Or		Or POL HG 3026 Gandhi and the Contemporary World Or POL HG 3036 United Nations and Global Conflicts
	POL HC 3036 Perspectives on International Relations and World History		POL SE 3024 Youth and Nation-Building		
Semester IV	POL HC 4016 Political Processes and Institutions in a Comparative Perspective		POL SE 4014 Panchayati Raj in Practice Or POL SE 4024 Citizens and Rights		POL HG 4016 Introduction to International Relations Or POL HG 4026 Understanding Ambedkar Or POL HG 4036 Politics of Globalization
	POL HC 4026 Public Policy and Administration in India				
	POL HC 4036 Global Politics				
Semester V	POL HC 5016 Classical Political Philosophy			(ANY TWO) POL HE 5016 Human Rights Or	

	POL HC 5026 Indian Political Thought-I		4	**POL HE 5026** Public Policy in India Or **POL HE 5036** Understanding Global Politics Or **POL HE 5046** Select Constitutions-I	
Semester VI	**POL HC 6016** Modern Political Philosophy **POL HC 6026** Indian Political Thought-II			**(ANY TWO)** **POL HE 6016** Human Rights in India Or **POL HE 6026** Understanding South Asia Or **POL HE 6036** Women, Power and Politics Or **POL HE 6046** Select Constitutions-II	

Course Nomenclature for B.A (Honours) Political Science

Semester -I	Semester-II
Core Course 1 POL HC 1016: Understanding Political Theory	**Core Course 3** POL HC 2016: Political Theory- Concepts and Debates
Core Course 2 POL HC 1026: Constitutional Government and Democracy in India	**Core Course 4** POL HC 2026: Political Process in India
Ability Enhancement Compulsory Course (English/ MIL Communication)/Environmental Science:ENG-AE-1014	**Ability Enhancement Compulsory Course** Environmental Science/ (English/ MIL Communication): ENV-AE-2014
Generic Elective POL HG 1016: Introduction to Political Theory Or POL HG 1026: Politics of North-east India Or POL HG1036: Governance: Issues and Challenges	**Generic Elective** POL HG 2016: Indian Government and Politics Or POL HG 2026: Feminism: Theory and Practice Or POL HG 2036: Local Rural and Urban Governance

Semester- III	Semester-IV
Core Course 5 POL HC 3016: Introduction to Comparative Government and Politics	**Core Course 8** POL HC 4016: Political Processes and Institutions in a Comparative Perspective
Core Course 6 POL HC 3026: Perspectives on Public Administration	**Core Course 9** POL HC 4026: Public Policy and Administration in India
Core Course 7 POL HC 3036: Perspectives on International Relations and World History	**Core Course 10** POL HC 4036: Global Politics
Skill Enhancement Course (SEC)-I POL SE 3014: Parliamentary Procedures and Practices Or POL SE 3024:Youth and Nation-Building	**Skill Enhancement Course (SEC)-II** POL SE 4014: Panchayati Raj in Practice Or POL SE 4024: Citizens and Rights

Generic Elective	Generic Elective
POL HG 3016: Comparative Government and Politics Or POL HG 3026: Gandhi and the Contemporary World Or POL HG 3036:United Nations and Global Conflicts	POL HG 4016: Introduction to International Relations Or POL HG 4026:Understanding Ambedkar Or POL HG 4036:Politics of Globalization

Semester-V	Semester-VI
Core Course 11 POL HC 5016: Classical Political Philosophy	**Core Course 13** POL HC 6016: Modern Political Philosophy
Core Course 12 POL HC 5026: Indian Political Thought-I	**Core Course 14** POL HC 6026: Indian Political Thought-II
Group – I (Discipline Specific Elective Courses-DSE) (Any Two)	**Group II (Discipline Specific Elective Courses-DSE) (Any Two)**
1.POL HE 5016: Human Rights	1. POL HE 6016: Human Rights in India
2. POL HE 5026: Public Policy in India	2. POL HE 6026: Understanding South Asia
3. POL HE 5036: Understanding Global Politics	3. POL HE 6036: Women, Power and Politics
4. POL HE 5046: Select Constitutions-I	4. POL HE 6046: Select Constitutions-II

*Important Note:

Marks allotment of Skill Enhancement Course (SEC) papers-

    Total Marks: 100

    Theory: 50 marks

    Practical Component: 50 marks

General modalities for conducting practical have been suggested in each SEC paper. However the institutions can develop their own modality based on their requirements and the resources available.

Number of Courses that Incorporate Experiential Learning through Project/ Field Work & Internship

1. **Project Work**
2. **Laboratory Work**
3. **Field Work**
4. **Internship**

নাৰায়ণ দাস আৰু

পৰমানন্দ ৰাজবংশী (সম্পাদিত) : অসমীয়া সংস্কৃতি কোষ

অসম সাহিত্য সভা : অসমীয়া জাতিৰ ইতিবৃত্ত

আব্দুছ ছত্তাৰ : সংমিশ্ৰণত অসমীয়া সংস্কৃতি

পৰমানন্দ ৰাজবংশী (সম্পাদিত) : অসমীয়া জাতি আৰু সংস্কৃতি

পুতলী কায়স্থ (সম্পাদিত) : অসমৰ বিভিন্ন জনগোষ্ঠীৰ বিবাহ পদ্ধতি

উপেন ৰাভা হাকাচাম : বৰ অসমৰ বৰ্ণিল সংস্কৃতি

: অসমৰ জনজাতীয় সংস্কৃতি

অঞ্জলি মহন্ত ৰায়চৌধুৰী আৰু

বসন্ত দলে (সম্পাদিত) : অসমৰ জনগোষ্ঠী : এটি পৰিচয়

দ্বিজেন্দ্ৰ নাথ ভকত : অসমৰ কোচ ৰাজবংশী জনজাতি

দ্বিতীয় বৰ্ষ ঃ চতুৰ্থ ষান্মাসিক

M-403 ঃ ক্ষেত্ৰ অধ্যয়ন   মূল্যাংক ঃ ৫০

এই কাকতখনৰ বাবে ছাত্ৰ-ছাত্ৰীয়ে বিভাগীয় শিক্ষকৰ তত্ত্বাৱধানত কোনো বিশেষ স্থান, জনগোষ্ঠী, উৎসৱ-পাৰ্বণ, লোকাচাৰ, লোক-পৰিবেশ্য কলা, লোক-সাহিত্য, লোক ভাষা আদি যিকোনো এটা বিষয়ত ক্ষুদ্ৰ গৱেষণা পত্ৰ প্ৰস্তুত কৰিব লাগিব। গৱেষণা পত্ৰৰ কলেবৰ ৪০০০-৫০০০ শব্দৰ ভিতৰত হ'ব লাগিব।

তৃতীয় বৰ্ষ ঃ পঞ্চম ষান্মাসিক

M-501 ঃ প্ৰথম কাকত ঃ পুৰণি অসমীয়া নাটক   মূল্যাংক ঃ ৬০

প্ৰথম গোট	ঃ	শংকৰদেৱ ঃ ৰুক্মিণী হৰণ নাট	—	১৫
দ্বিতীয় গোট	ঃ	মাধৱদেৱ ঃ অৰ্জ্জুন ভঞ্জন নাট	—	১৫
তৃতীয় গোট	ঃ	শ্ৰীৰাম আতা ঃ সুভদ্ৰা হৰণ নাট	—	১৫
চতুৰ্থ গোট	ঃ	গোপালদেৱ ঃ জন্মযাত্ৰা	—	১৫

দক্ষতা বিকাশ পাঠ্য

ASM-SE-3014

ব্যৱহাৰিক অসমীয়া

মূল্যাংক ঃ ৮০

(উদ্দেশ্য ঃ অসমীয়া বিষয়ৰ জ্ঞানেৰে একোগৰাকী ছাত্ৰ-ছাত্ৰীৰ পৰৱৰ্তী জীৱনৰ বৃত্তিৰূপে গ্ৰহণ কৰিব পৰা বিশেষ বিষয়ৰ প্ৰাথমিক আৰু প্ৰায়োগিক জ্ঞান এই পাঠ্যত থাকিব।)

প্ৰথম গোট	ঃ	আৰ্হি পাঠ ঃ পদ্ধতি আৰু কৌশল	20
দ্বিতীয় গোট	ঃ	ছপা আৰু বৈদ্যুতিন মাধ্যমৰ বাবে বিজ্ঞাপন লেখন, ইংৰাজী হিন্দী বিজ্ঞাপনৰ অসমীয়া অনুবাদ	20
তৃতীয় গোট	ঃ	অনুবাদ ঃ সংবাদ, প্ৰবন্ধ, সাক্ষাৎকাৰ	20
চতুৰ্থ গোট	ঃ	চিত্ৰনাট্য নিৰ্মাণ ঃ সাহিত্যৰ চিত্ৰায়ণ	20

সহায়ক গ্ৰন্থ (নিৰ্বাচিত) ঃ

অসমীয়া আখৰ জোঁটনিৰ কথা ঃ শিৱনাথ বৰ্মন

আৰ্হি পাঠকৰ হাত পুথি ঃ অসম সাহিত্য সভা

কি লিখি কেন লিখি ঃ নীৰেন্দ্র নাথ চক্ৰবৰ্তী

গণজ্ঞাপন ঃ তত্ত্ব ও প্ৰয়োগে ঃ পাৰ্থ চট্টোপাধ্যায়

ব্যৱহাৰিক অসমীয়া ব্যাকৰণ ঃ উপেন ৰাভা হাকাচাম

বিজ্ঞান লেখকৰ হাতপুথি ঃ দীনেশ চন্দ্ৰ গোস্বামী

বিষয় চলচিত্ৰ ঃ সত্যজিৎ ৰায়

লেখক ও সম্পাদকের অভিধান ঃ সুভাষ ভট্টাচাৰ্য (সম্পা.)

সেকাল একালের সংবাদ পরিবেশনের ধারা ও বিচিত্র সংবাদ ঃ বৈদ্যনাথ বন্দোপাধ্যায়

দক্ষতা বিকাশ পাঠ্য

ASM-SE-4014

সৃজনীমূলক সাহিত্য

মূল্যাংক ঃ ৮০

(উদ্দেশ্য ঃ এই পাঠ্যৰ জৰিয়তে কবিতা আৰু গল্প লিখাৰ প্ৰাথমিক আৰু ব্যৱহাৰিক জ্ঞান প্ৰদান কৰা হ'ব।)

প্ৰথম গোট ঃ   20

       কল্পনাৰ সংজ্ঞা আৰু পৰিসৰ

       কল্পনাৰ কৰ্ষণ

       সৃজনীমূলক সাহিত্য ৰচনাৰ প্ৰয়োজনীয় যোগ্যতা

দ্বিতীয় গোট ঃ   20

       আধুনিক কবিতা ঃ সংজ্ঞা আৰু বৈশিষ্ট্য

       আধুনিক কবিতাৰ পটভূমি

       আধুনিক কবিতাৰ ভাষা

তৃতীয় গোট ঃ   20

       গল্পৰ বীজ ৰোপণ

       গল্প ৰচনাৰ বাবে ক্ষেত্ৰ অধ্যয়ন

       গল্পৰ নিৰ্মাণ

চতুৰ্থ গোট ঃ   20

       কবিতা আৰু গল্পৰ আৰ্হি প্ৰস্তুতকৰণ

সহায়ক গ্ৰন্থ (নিৰ্বাচিত) ঃ

       আধুনিক অসমীয়া কবিতা ঃ কামালুদ্দিন আহমেদ

       আধুনিক বাংলা কাব্য পৰিচয় ঃ দীপ্তি ত্ৰিপাঠী

       আধুনিকতাবাদ আৰু অন্যান্য প্ৰবন্ধ ঃ হৰেকৃষ্ণ ডেকা

       কবিতাৰ ক্লাস ঃ নীৰেন্দ্ৰ নাথ চক্ৰবৰ্তী

       ৰমন্যাসবাদ ঃ মহেন্দ্ৰ বৰা

       সৃজনীমূলক সাহিত্য ঃ প্ৰেৰণা আৰু আৰ্হি ঃ অতনু ভট্টাচাৰ্য

       Romantic Imagination : C M Bowra

UNIT			কাব্যপরিচয় (রূপরাম, ঘনরাম)		
UNIT-III	বাংলা অনুবাদ কাব্যের ধারা- প্রাক চৈতন্য থেকে চৈতন্যোত্তর মধ্যযুগ		মালাধর বসু , কৃত্তিবাস, , শ্রীকর নন্দী , কবীন্দ্র পরমেশ্বর, কাশীরাম দাস		

সহায়ক গ্রন্থ :

১. বাঙ্গালা সাহিত্যের ইতিহাস (১ম ও ২য়) – সুকুমার সেন

২. বাংলা সাহিত্যের ইতিবৃত্ত ১ম, ২য়, ৩য় খণ্ড – অসিত কুমার বন্দ্যোপাধ্যায়

৩. বাংলা সাহিত্যের বিকাশের ধারা (১ম) – শ্রীকুমার বন্দ্যোপাধ্যায়

৪. বাংলা সাহিত্যের রূপরেখা (১ম) – গোপাল হালদার

৫. বাংলা সাহিত্যের ইতিকথা (১ম, ২য়) – ভূদেব চৌধুরী

PAPER-BEN-SE-3014 (For Honors & Regular Course)

UNIT	Paper Title/ Topic	SELECTED BOOK(S)/SECTION	CLASS HOURS		
	পাণ্ডুলিপি প্রস্তুতি		Ther.	I.A	--
UNIT-I		পাণ্ডুলিপি পরিচয়, পাণ্ডুলিপি তৈরির বিভিন্ন পর্যায়, বিভিন্ন বিরাম চিহ্ন সহ অন্যান্য চিহ্নের ব্যবহার, তথ্যসূত্র নির্মাণের বিভিন্ন পদ্ধতি, উল্লেখপঞ্জি ও গ্রন্থপঞ্জি	50	--	--
UNIT-II		MS Word ও Page maker এর মেনুবার ও রিবনের অন্তর্গত বিভিন্ন কমান্ড/সাব-কমান্ডের ব্যবহার সম্বন্ধে জ্ঞান			

সহায়ক গ্রন্থ :

১. গবেষণাপত্র অনুসন্ধান ও রচনা – জগমোহন মুখোপাধ্যায়

২. গবেষণা : প্রকরণ ও পদ্ধতি – সুরভি বন্দ্যোপাধ্যায়

৫. তিষ্ঠ ক্ষণকাল– আনন্দবাজার পত্রিকা ব্যবহার বিধি, আনন্দ পাবলিশার্স

৬. Assignment and Thesis writing – J. Anderson & Millicent Poole

৩. মাইক্রোসফট ওয়ার্ড – কৌশিক দত্ত ও সোমা রায়চৌধুরী

৪. এডোবি পেজমেকার– মাহবুবুর রহমান

BEN-HG-3016/ BEN-RC 3016 (HG for Honors and RC for Regular Course)

UNIT	Paper Title/ Topic	SELECTED BOOK(S)/SECTION	CLASS HOURS		
	উনিশ শতকের সাহিত্য পাঠ	পাঠ্য গ্রন্থ ও নির্বাচিত অংশ	Ther.	Tutr.	I.A
UNIT-I	মহাকাব্য	মেঘনাদবধকাব্য—প্রথম সর্গ –মধুসূদন দত্ত			
UNIT-II	গীতিকবিতা	উনবিংশ শতকের গীতিকবিতা সঙ্কলন—শ্রীকুমার বন্দ্যোপাধ্যায় ও অরুণকুমার মুখোপাধ্যায় সংকলিত: বিহারীলাল চক্রবর্তী— সুরবালা, মানকুমারী বসু—মৃত্যু-সুহৃৎ, অক্ষয় কুমার বড়াল— শ্রাবণে, রঙ্গলাল বন্দ্যোপাধ্যায়—স্বাধীনতা সংগীত।	75	15	--
UNIT-III	উপন্যাস	রজনী – বঙ্কিমচন্দ্র চট্টোপাধ্যায়			

সহায়ক গ্রন্থ :

১. মাইকেল মধুসূদন দত্ত – সুরেশচন্দ্র মৈত্র

২. মাইকেল মধুসূদন দত্তের কবি-আত্মা ও কাব্যশিল্প – ক্ষেত্র গুপ্ত

৩. বাঙালী কবির কাব্যচিন্তা : উনিশ শতক – অলোক রায়

৪. হাজার বছরের বাংলা কবিতা – অশ্রুকুমার সিকদার

৫. বাংলা কবিতার নবজন্ম – সুরেশ চন্দ্র মৈত্র

৬. বঙ্গসাহিত্যে উপন্যাসের ধারা – শ্রীকুমার বন্দ্যোপাধ্যায়

৫. রবীন্দ্র-উপন্যাসের নির্মাণশিল্প – গোপিকানাথ রায়চৌধুরী

PAPER-BEN-SE-4014 (For Honors & Regular Course)

UNIT	Paper Title/ Topic	SELECTED BOOK(S)/SECTION	CLASS HOURS		
	প্রুফ সংশোধন	বাংলা কী লিখবেন কেন লিখবেন-আনন্দ পাবলিশার্স	Ther.	I.A	--
UNIT-I		প্রুফ সংশোধন সংশ্লিষ্ট বিষয়ের জ্ঞান – কপি, গ্যালি প্রুফ, হট ও কোল্ড কম্পোজিশন , পয়েন্ট, মেজার। প্রুফ সংশোধনের বিভিন্ন স্তর , বিভিন্ন সংশোধনী চিহ্নের ব্যবহার।	50	--	--
UNIT-II		ব্যবহারিক প্রুফ সংশোধন			

সহায়ক গ্রন্থ :

১. Handbook for Proofreading-- Laura Anderson. Mcgraw Hills Pub.

২. Exercises in Proofreading – A.M.Smith, Wentworth Press

৩. তিষ্ঠ ক্ষণকাল– আনন্দবাজার পত্রিকা ব্যবহার বিধি, আনন্দ পাবলিশার্স

BEN-HG-4016/ BEN-RC 4016 (HG for Honorse AND RC for Regular Course)

UNIT	Paper Title/ Topic	SELECTED BOOK(S)/SECTION	CLASS HOURS		
	কুড়ি শতকের সাহিত্য পাঠ		Ther.	Tutr.	I.A
UNIT-I	স্মৃতিকথা	ছেলেবেলা – রবীন্দ্রনাথ ঠাকুর			
UNIT-II	ছোটোগল্প	একশো বছরের সেরা গল্প – সমরেশ মজুমদার (সম্পা.) - মহেশ – শরৎচন্দ্র চট্টোপাধ্যায় , দুধের দাম- বনফুল, অভিনেত্রী- আশাপূর্ণা দেবী, ফসিল – সুবোধ ঘোষ, আদাব- সমরেশ বসু	75	15	--
UNIT-III	নাটক	সাজানো বাগান – মনোজ মিত্র			

সহায়ক গ্রন্থ :

১. আত্মজীবনী, জীবনী ও রবীন্দ্রনাথ – শিশির কুমার দাস

২. সাহিত্যে ছোটগল্প – নারায়ণ গঙ্গোপাধ্যায়

৩. বাংলা সাহিত্যের ছোটগল্প ও গল্পকার – ভূদেব মুখোপাধ্যায়

৪. রবিজীবনী ১/২ – প্রশান্তকুমার পাল

৫. বাংলা নাটকের ইতিহাস – অজিত কুমার ঘোষ

৬. মনোজ মিত্রের নাটক সমগ্র ১/২

PAPER-BEN-CC-4016 (For Regular Course)

UNIT	Paper Title/ Topic	SELECTED BOOK(S)/SECTION	CLASS HOURS		
	উনিশ ও কুড়ি শতকের বাংলা সাহিত্য২		Ther.	Tutr.	I.A
UNIT-I	নাটক/প্রহসন	একেই কি বলে সভ্যতা- মধুসূদন দত্ত			
UNIT-II	গল্প	একুশটি বাংলা গল্প- অরুণ কুমার মুখোপাধ্যায়: ভোটার সাবিত্রীবালা- বলাইচাঁদ মুখোপাধ্যায় ,	74	15	1

THIRD SEMESTER SE

ECO-SE-3014: Data Collection and Presentation

Course Description:

This course helps students in understanding use of data, presentation of data using computer softwares like MS-Excel. Students will be involved practically to preparation of questionnaires/interview schedules, collection of both primary and secondary data and its presentation. Students will also be asked to prepare a report on collected data and will be evaluated accordingly.

Course Outline:

1. Use of Data

Use of data in social sciences; types and sources of data; data collection methods. Population census versus sample surveys. Random sampling.

2. Questionnaires and Schedules
Meaning; how to prepare a questionnaire and interview schedule; use of questionnaire and interview schedule for data collection.

3. Presentation of Data
Data presentation in tabular formats; use of diagrams for data presentation; creating charts and diagrams in MS-Excel – bar, line, pie, scatter, radar, bubble diagrams, population pyramids.

Readings

1. S P Gupta, *Statistical Methods*, S Chand.

2. Webtech Solutions Inc., *Mastering Microsoft Excel Functions and Formulas*

FOURTH SEMESTER SE

ECO-SE-4014: Data Analysis

Course Description:

This course discusses how data can be summarized and analysed for drawing statistical inferences. The students will be introduced to important data sources that are available and will also be trained in the use of statistical softwares like SPSS/PSPP to analyse data.

Course Outline:

1. Data entry in softwares like MS-Excel, SPSS/PSPP

2. Univariate frequency distributions. Measures of central tendency: mean, median and mode; arithmetic, geometric and harmonic mean. Measures of dispersion: range, mean deviation and standard deviation, skewness and kurtosis.

3. Bivariate frequency distribution. Correlation and regression. Rank correlation.

4. Estimation of population parameters from sample data. Unbiased estimators for population mean and variance.

Readings:

1. P.H. Karmel and M. Polasek (1978), *Applied Statistics for Economists*, 4th edition, Pitman.
2. M.R. Spiegel (2003), *Theory and Problems of Probability and Statistics* (Schaum Series).

EDU-HC-4026
EDUCATIONAL STATISTICS AND PRACTICAL
Total Marks: 100 (External: 80 and Internal: 20)
Credit-6

Course Objectives:

After completion of this course the learner will be able to:

- Develop the basic concept of Statistics,
- Be acquainted with different statistical procedures used in Education.
- Develop the ability to represent educational data through graphs.
- Familiarize the students about the Normal Probability Curve and its applications in Education.

Course contents

Units	Topics
Unit-1	**Basics of Educational Statistics** • Statistics- Meaning, Nature and Functions • Need of statistics in Education • Measures of central tendency and their uses • Mean. Median and Mode from ungrouped and grouped data • Measures of variability –Concept, Types and their uses, merits and demerits • Quartile Deviation, Average Deviation, Standard deviation-(grouped and ungrouped data-short method), Combined SD
Unit-2	**Graphical presentations of data** • Usefulness of Graphical presentations of data, • Basic principle of constructing a graph, • Different types of graph –histogram, frequency polygon, • Cumulative frequency percentage curve (Ogive), Smoothed graph.
Unit-3	**Co-efficient of Correlation and Percentiles** • Coefficient of correlation – Meaning and types, • Computation of, co-efficient of correlation by Rank difference method & Product-moment method and interpretation of result • Calculation of Percentile and Percentile Rank
Unit-4	**Normal Probability Curve and Its Application** • Normal Probability Curve: Its Meaning, Properties and Uses • Table of Area under NPC • Applications of Normal Probability Curve • Divergence from Normality: Skewness and Kurtosis

Unit-5	Statistical Practical
	• To determine the Mean Median and Mode
	• Graphical Representation – Frequency Polygon, Histogram and Pie diagram

Recommended Readings:

➢ Garrett, H.E. (2014). *Statistics in Psychology and Education*. Mumbai: Vakils, Feffer and Simons Pvt. Ltd.

➢ Goswami, Marami (2012). *Measurement and Evaluation in Psychology and Education*. Hyderabad: Neel Kamal Publications Pvt. Ltd.

➢ Kalita, Utpal (2019). *Sikshat Parisankhya Bignan.* Guwahati: Shanti Prakashan.

➢ Mangal, S.K. (2005). *Statistics in Psychology and Education*. New Delhi: Prentice Hall of India.

➢ Saha, Kaberi (2012). *Statistics in Education and Psychology*. New Delhi: Asian Books Pvt. Ltd.

➢ Sahu, Binod, K. (1998). *Statistics in Psychology and Education*. New Delhi: Kalyani Publishers.

5ᵗʰ SEMESTER (HONOURS)

Instruction:

- EDU-HC-5016 and EDU-HC-5026 papers are compulsory for all the 5ᵗʰ semester Honours students.
- In HE papers, students will have to select two papers from four alternatives. They can select first paper from EDU-HE-5016 or EDU-HE-5026 alternatives. And they can select the second paper from EDU-HE-5036 or EDU-HE-5046 alternatives.

EDU-HC-5016
MEASUREMENT AND EVALUATION IN EDUCATION & PRACTICAL
Total Marks: 100 (External: 80 and Internal: 20)
Credit-6

Course Objectives:

After completion of this course the learner will be able to:

- Enable the students to understand the concept of measurement and evaluation in education.
- Acquaint the students with the general procedure of test construction and characteristics of a good test.
- Develop an understanding of different types of educational tests and their uses.
- Acquaint the students about personality test, and aptitude tests.

Course contents

Units.	Contents
Unit-1	**Measurement and Evaluation in Education** • Meaning and concept of measurement, Functions of measurement, Types of measurement, Scales of measurement • Evaluation -Its meaning, basic principles • Relationship and difference between Measurement and Evaluation • Examination and Evaluation • Formative and Summative evaluation • Role of evaluation in education
Unit-2	**Test Construction** • General procedure of Test Construction and Standardization • Item Analysis • Characteristics of a good test

	• Validity, Reliability, Objectivity and Norms
Unit-3	**Educational Achievement Test**
	• Meaning and objectives of Achievement Test
	• Difference between Achievement test and Intelligence Test
	• Construction of Educational Achievement Test
	• Different types of Educational Achievement Test
Unit-4	**Personality Test**
	• Personality Test- Meaning and Nature
	• Types of Personality Measurement
	- Subjective Technique (Personality Inventory or Questionnaire-MMPI)
	- Objective Technique (Rating Scale)
	- Projective Technique (Thematic Apperception Test, Ink-Blot-Test)
	- Situational Technique (Psycho Drama)
Unit-5	**Laboratory Practical**
	• Ink Blot Test
	• Free Association Test, Control Association Test
	• Personality Test for Introversion-Extroversion

Recommended Readings:

➢ Asthana, Bipin (2009). *Measurement and Evaluation in Psychology and Education*. Agra: Vinod Pustak Mandir

➢ Freeman, F.S. (1965). *Theory and Practice of Psychological Testing*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.

➢ Goswami, Marami (2012). *Measurement and Evaluation in Psychology and Education.* Hyderabad: Neel Kamal Publications Pvt. Ltd.

➢ Saikia, L.R. (2018). *Psychological and Physiological Experiments in Education*. Guwahati.

➢ Sarma & Kalita (2016). *Sikshat Parimapan, Mulyayan aaru Parisankhya Bignan*. Guwahati: Shanti Prakashan.

EDU-HC-1026
PSYCHOLOGICAL FOUNDATIONS OF EDUCATION & LABORATORY PRACTICAL
Total Marks: 100 (External: 80 and Internal: 20)
Credit-6

Course Objectives:

After completion of this course the learner will be able to:

- Make the students understand the relationship between education and psychology.
- Explain the need of educational psychology in teaching learning process.
- Describe the nature and theories of learning and role of motivation in learning.
- Understand the concept of memory, forgetting, attention and interest.
- Understand intelligence, its theories and measurement.
- Acquaint with different types of personality and the adjustment mechanism.

Course contents

Units	Contents
Unit-1	**Psychology and Education:** • Meaning and nature of Psychology • Relation between education and psychology • Educational Psychology-Nature,Scope,Methods—Observation,Experimention,Case study method • Importance of Educational Psychology in teaching –learning process
Unit-2	**Learning and Motivation:** • Learning -Meaning and nature • Theories of learning—Connectionism, Classical conditioning, Operant conditioning and Theory of Insightful learning • Laws of learning--law of readiness, law of exercise ,law of effect • Factors affecting learning • Motivation-meaning, role in learning
Unit-3	**Memory, Attention and Interest:** • Memory—Meaning, nature and types • Economy in memorization • Forgetting—meaning and causes • Attention-concept, characteristics, determinants and types • Interest-Meaning, relation between Attention and Interest • Role of attention and Interest in learning

Unit-4	**Intelligence, Creativity and personality**
	• Intelligence-Meaning, nature and theories :Two-factor theory, Group factor theory
	• Creativity-concept, characteristics
	• Personality—meaning and nature
	• Theories of personality-Type and trait theory
Unit-5	**Laboratory Practical**
	Recall and Recognition, Trial and Error learning, Span of attention
	(The three practical will be done in Psychological laboratory, there will be 2 credits for practical class)

Recommended Readings:

➢ Baron, R. A. (2001). *Psychology*. New Delhi: Prentice Hall.

➢ Bichler, R. F. and Snowman, J. (1993). *Psychology Applied to Teaching*. Boston: Houghton Mifflin

➢ Chauhan, S. S. (1996). *Advanced Educational Psychology.* New Delhi: Vikash Publishing House Pvt. Ltd.

➢ Crow & Crow (1962). *Educational Psychology.* New Delhi: Prentice Hall.

➢ Guilford, J. P. (1965). *General Psychology*. New Delhi: East West Press Pvt. Ltd.

➢ Kuppuswamy B. (2013). *Advanced Educational Psychology,* New Delhi: Sterling Publishers Private Limited.

➢ Mangal, S. K. (2009). *Advanced Educational Psychology*. New Delhi: PHI Learning Private Limited.

➢ Saikia, L.R. (2018). *Psychological and Physiological Experiments in Education*. Guwahati.

➢ Skinner, Charles, (2012). *E- Educational Psychology*. New Delhi: Prentice Hall.

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EDU-SE- 3014

PUBLIC SPEAKING SKILL

Credit – 4

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Course Outcome:

After completing this course, students will be able to acquire the capacities of public speaking skill.

Course contents

    a. **Theory (2 Credits)**

Units	Contents
Unit-1	**Public Speaking and Communication Skill** • Meaning and Importance of Public Speaking • Components of Public Speaking: Illustration, Voice modulation, The Power of Pause, Visual Aids, Sense of humour, Articulation • Principles of Effective Public Speaking: Principle of Preciseness, Principle of Clarity, Principle of Completeness, Principle of Consciousness, Principle of Adaption • Ways of becoming Better Public Speaker • Concept and Nature of Communication • Communication Cycle • Types of Communication: Verbal and non-Verbal • Barriers of Communication • Ways of Effective Communication
Unit-2	**Personality Development and Motivation as Means for Effective Public Speaking** • Concept and Nature of Personality • Types of Personality: Extrovert and Introvert • Traits of Personality needed for Effective Public Speaking: Openness to Change, Agreeableness, Extroversion, Sociability, Emotional Stability, Liveliness, Reasoning, Warmth • Role of Personality in Effective Communication • Concept of Balanced Personality

	• Meaning and Nature of Motivation
	• Kinds of Motivation: Natural or Intrinsic Motivation and Artificial or Extrinsic Motivation
	• Ways or means of motivating audience

b. Practical (2 Credits)

Students shall prepare a write-up based on topic selected for speech.

Guidelines:

- The students will be trained on public speaking

- Teachers will give demonstrations on public speaking

- It will cover: Style of presentation, voice modulation, body language, communication with audience, eye contact

- Topics of speech will be selected by the students discussing with teachers.

- Topic of write-up will be decided by the internal examiner.

- Word limit for the write-up is maximum 2000.

Mode of Delivery:

Teachers should use lecture, demonstration and any other method as per required for explaining the contents for the students.

Evaluation Plan:

- For theory part, written examination will be conducted with 50 marks.

- Evaluation for practical examination (Public Speaking Skill+Write-up of the speech) will be done by an External Examiner.

Recommended Readings:

➢ Mangal, S. K. (2013). *Essentials of Educational Psychology.* Delhi: PHI Learning Private Limited.

➢ Manoharan, P. K. (2008). *Education and Personality Development.* New Delhi: APH Publishing Corporation.

➢ Morgan, Clifford T. (1993). *Introduction to Psychology.* New Delhi: Tata McGraw Hill Publishing Company Limited.

➢ Nikitina, Arina (2011). *Successful Public Speaking.* Arina Nikitina & bookboon.com

EDU-SE-4014
WRITING BIODATA AND FACING AN INTERVIEW
Credit- 4

Course Outcome:

After completing this course, students will be able to write a bio-data scientifically and will develop confidence to face different types of interview.

Course contents

a. Theory (2 Credits)

Units	Contents
Unit-1	**Bio-data** • Meaning, Purpose and Types of Bio-data • Components of Bio-data • Bio-data: Do's and Do not's • Meaning of Resume and Curriculum Vitae • Differences among Bio-data, Resume and Curriculum Vitae • How to write a Good Academic Bio-data
Unit-2	**Interview** • Meaning and objectives of Interview • Different types of Interview: Structured interview, Unstructured interview, Job-related interview • Characteristics of good interview • Importance of interview • Skills of facing interview

b. Practical (2 credits):

Students shall write a bio-data to face interview.

Guidelines:

- The teachers will have to guide the students in writing their Bio-data, if necessary outside experts may also be invited to train the students in writing the Bio-data.

- Teachers will guide the students to differentiate amongst Bio-data, Resume and Curriculum Vitae (CV).

- Teachers will explain the style and skill of appearing a formal interview.

Project Work
Paper: 6.06 (Credits-6)
(Major Course)

Each candidate is required to complete any one project related to any area of the syllabus to be evaluated by internal and external examiners jointly through viva voce test. The project work will have to be completed according to following —

- Identification of the problem/topic
- Formulating the objectives
- Review the relevant / related literature (if any)
- Writing the hypotheses (wherever possible)
- Field identification-scope and delimitations
- Nature of information / data required — their sources
- Collection and organization of data, analysis and drawing conclusion
- Reporting

Submitted by
Prof. Lutfun Rasul Saikia
Head Department of Education
and Chairman, CCS (Under Graduate)
Gauhati University
Date : 1st February, 2011

SYLLABUS
Ability Enhancement Compulsory Course
(All Undergraduate Degree Programmes under Gauhati University)
ENV-AE-2014: Environmental Studies
Total marks: 100 (External: 80 + Internal: 20)
Nature of Course: AECC

No. of Credits: 4

No. of hours: 60

(Approved in the Academic Council 08-11-2019)

Unit 1: Introduction to Environmental Studies
- Multidisciplinary nature of environmental studies;
- Scope and importance;
- Concept of sustainable development

(3 lectures)

Unit 2: Ecosystems
- What is an ecosystem? Structure and function of ecosystem: Energy flow in an ecosystem: food chains, food web and ecological succession. Case studies of the following ecosystems:
  a) Forest ecosystem
  b) Grassland ecosystem
  c) Aquatic ecosystems (ponds, streams, lakes, rivers)
  d) Mountain ecosystem

(8 lectures)

Unit 3: Natural Resources: Types, Renewable and Non-renewable Resources

- Land resources : landuse change; land degradation, soil erosion and desertification
- Forest resources: Deforestation: Causes and impacts due to mining, Construction of big dams and their effects on forests and people.
- Water resources: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state: Indo-China, Indo-Bangladesh, Cauveri disputes).
- Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies — coal mining, crude oil extraction.

(8 lectures)

Unit 4: Biodiversity and Conservation
- Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots
- India as a mega-biodiversity nation; Endangered and endemic species of India
- Threats to biodiversity: Habitat loss, poaching of wildlife, man- wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex situ conservation of biodiversity.
- Ecosystem and diversity services: Ecological, economic, social, ethical, aesthetic and informational value.

(8 lectures)

Unit 5: Environmental Pollution

- Environmental pollution: types, causes, effects and controls: Air, water, soil and noise pollution
- Nuclear hazards and human health risks
- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies – Bharalu river, Deepor Beel, Kolong river

(8 lectures)

Unit 6: Environmental Policies & Practices

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements, policies and treaties; Montreal and Kyoto protocols and Convention on Biological Diversity (CBD), CITES.
- Nature reserves, tribal populations and rights, and human wildlife conflicts in the context of Assam

(8 lectures)

Unit 7: Human Communities and the Environment

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides
- Environmental movements: Chipko, Silent valley, Narmada Bachao, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (CNG, electric vehicles, green energy, waste minimization)

(9 lectures)

Unit 8: Field work

- Visit to an area to document environmental assets : river/forest/flora/fauna, etc
- Visit to a local polluted site - Urban/Rural/Industrial/Agricultural.
- Study of common plants, insects, birds and basic principles of identification.
- Study of simple ecosystems- pond, river, stream

(Equivalent to 8 lectures)

Suggested Readings:

1. Bharucha Erach : Text book on Environmental Studies, UGC, New Delhi
2. Carson, R 2002. Silent Spring. Houghton Mifflin Harcourt.
3. De A.K.: Environmental Chemistry, Wiley Eastern Ltd.
4. Kaushik Anubha and C.P.Kaushik : Perspective in Environmental Studies, New Age International
5. Rajagopalan, R. (2018). Environmental Studies. (3rd Edition) Oxford University Press
6. S. C. Santra (2011): Environmental Science, New Central Book Agency

(2 Courses offered in History out of 4; students are to take 2 courses from other courses)

HIS –SE-3014: Historical Tourism in North East India
HIS –SE-4014: Oral Culture and Oral History

HIS –SE-3014: HISTORICAL TOURISM IN NORTH EAST INDIA

Lecture : 03; Tutorial : 01 (per week)

Course Outcome:

After completing this course, students will be able to explain Tourism in North East India with special reference to the historical monuments, cultural and ecological elements and places of the north east India country as tourist and heritage sites of the nation. They will be able to relate to the growing vocation of tourism as an industry and the applicability of historical knowledge for its growth.

In-semester assessment: Students shall carry out a small project (submission not less than 2000 words) based on survey of an area or monument. The project should try to unearth the tourism potential of the surveyed area or monument. The project may also be on an existing tourist site. No sessional examination is required for this paper.

Unit I : Theoretical aspects of tourism, Elementary geography and bio – diversity of North East India
[a] : Tourism – Concept, meaning and significance
[b] : Different types of Tourism
[c] : Physiographical divisions, water bodies and climatic conditions
[d] : Important wildlife habitats : Kaziranga, Manas, Orang, Nameri, Dibru Saikhowa, Namdapha, Keibul Lamjao, Rain forests of Assam.

Unit II : Ancient remains and Important tourist places of the North – East
[a] : Ancient remains: Goalpara, Ambari, Tezpur, Deopahar, Malinithan, Doyang – Dhansiri Valley
[b] : Tourist places: Shillong, Cherapunjee, Aizwal, Gangtok, Kohima, Tawang, Poa Mecca (Hajo), Azan Pir Dargah, Jatinga

Unit III : Architectural Heritage
[a] : Dimapur, Kasomari, Maibong, Khaspur
[b] : Charaideo, Garhgaon, Sivasagar and Rangpur
[c] : Ujayanta palace, Neer Mahal
[d] : Kamakhya, Hayagriva Madhava, Tripura Sundari Temple, Rumtek monastery
[e] : Kangla fort

Unit IV : Fairs and festivals of the North – East

[a] : Festivals - *Bihu, Ali Aye Lrigang, Mopin* festival, Tai – Buddhist festivals in Assam

[b] : *Bhaona*, *Ras* celebration in Majuli

[c] : Fairs - Jonbil Mela, Ambubachi fair at Kamakhya

[d] : Tourist festivals based on ethnic culture – Horn Bill festival, Sangai festival, Dihing Patkai festival

Readings :
Bezboruah, M : *Tourism in North East India*

Bora**,** S..,, & Bora, M.C **:** *The Story of Tourism : An Enchanting Journey through India's North – East,* UBSPD, Delhi, 2004.

: *Paryatanar Ruprekha: Uttar Purbanchalar Itihas Aru Sanskritir Patabhumi*

Bhatia, A. K. : *International Tourism – Fundamentals and Practices*, New Delhi, 1997

: *Tourism in India*

Nath, R.M. : The Background of Assamese Culture, Guwahati, 1978

Sarma, P. : Architecture of Assam, Delhi - 1988

Ahmed, Kamaluddin : *The Art and Architecture of Assam*, Spectrum Publication, Guwahati, 1994.

Bhattacharya, P. : *Tourism in Assam*, Bani Mandir, Guwahati,2004

Neog, M. : *Pavitra Asom*, LBS, Guwahati

: *Asamiya Sanskritir Ruprekha*, Guwahati - 1970

Boruah, P. : *Chitra-Bichitra Asom*, Guwahati,2003

Taher & Ahmed : Geography of North East India, Mani Manik Prakash, Guwahati, 2010.

Gogoi, Atanu : *Paryatan Aru Uttar Purbanchal*, Bani Mandir, Guwahati, 2006

HIS –SE-4014: Oral Culture and Oral History

Lecture : 03; Tutorial : 01 (per week)

Course Outcome:

After this course the students will be able to explain complex interrelationships of structures or events in the context of broader social and cultural framework of societies through 'public memory' and use oral history to preserve oral culture and local history The students will be able to espouse the relevance to the northeastern region of India with its diverse culture and ethnic communities whose history is largely oral. The students will be able to use 'Public memory' as a tool and a source not only to write public history but also to explore new knowledge in the humanities , social sciences and even in disciplines like architecture, communication studies, gender studies, English, history, philosophy, political science, religion, and sociology.

In-semester assessment: Students shall carry out a small project (submission not less than 2000 words) using the Oral History method. It may be based on interviews of persons having information of past event or phenomena. No sessional examination is required for this paper.

Unit I. Concepts:

(a) Orality, Oral Tradition, Oral Culture
 (b) Oral History
 (c) Distinction between Oral Tradition and Oral History

Unit II. History and Historiography

(a) Oral History as a tool for analysis
(b) Social issues : Gender, conflict, violence, etc.
(c) Economic issues : Development schemes and their impact, displacement, etc

III. Methodology:
(a) Collection, preservation and interpretation of historical information through recorded interviews of people, communities, and participants in past events
(b) Documentation and Archiving : Written, Audio and Visual

IV. Potential areas for Oral History research :
(a) Oral Traditions: Customs, Beliefs, Practices and World view;
(b) Life Histories: Participants in past events; Women; War migrants; Victim of disasters, government policies, ethnic conflicts; Personal stories.

Readings:
Thompson, Paul R., *Voice of the Past : Oral History,* OUP, Great Britain, 1978
Ritchie, Donald A.:*Doing Oral History: A Practical Guide,* OUP,New York, 2003.
Perks, Robert and Thomson, Alistair (eds.) *Oral History Reader,* Routledge, 1998.
Valerie Raleigh Yow, *Recording Oral History*, Altamira Press, USA, 2005.
Vansina, Jan, *Oral Tradition. A Study in Historical Methodology* (Translated from the French by H. M. Wright). London: Routledge&Kegan Paul. 1965
Vansina, Jan, *Oral Tradition as History*,   Madison: University of Wisconsin Press. 1985
Butalia, Urvashi, *The Other Side of Silence: Voices from the Partition of India, Penguin. 2017.*
Humphries: *The Handbook of Oral History*.
H. Roberts. Ed. *Doing Feminist Research*, Routledge&KeganPaul,London,1981
John Miles Foley, Oral *Formulaic-Theory: An Introduction &Annotated Biblio*graphy, New York & London: Garland, 1985
Das, Veena,(ed.), *Mirrors of Violence: Communities, Riots & Survivors in South Asia*, Delhi,OUP,1990
Prasad, M. Mahadeva, *Ideology of the Hindi Film: A Historical Construction*, Delhi, OUP,1998

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GUIDELINES OF SYLLABUS FOR TDC IN HISTORY UNDER SEMESTER SYSTEM

1. The Under-Graduate course in History is of six semesters covering three calendar years.

2. There are a total of 20 courses in Major and 10 courses in General in the six semesters. The 1st, 2nd, 3rd & 4th Semester courses of Major are of 100 marks, 5th & 6th Semester courses are of 75 marks [Total marks: 1700 (100 X8) =800 + (75X 12) =900] In General course ,1st & 2nd Semester courses are of 75 marks each, 3rd & 4th semester courses of 50 marks each and 5th & 6th semester courses of 100 marks each.

3. There will be continuous assessment of students throughout the semester. The evaluation of the performance of the students will be based on both internal and external examinations. The internal examination will cover 20% of the marks and the remaining 80% will be covered by the external examination.

4. There are 8 credits per course of 100 marks each, 6 credits for 75 marks each and 4 credits for 50 marks each.

5. Each course of 100 & 75& 50 marks will have 2 & 1& 1 credit respectively, earmarked for internal assessment and the remaining credits for external examination.

6. The **internal assessment** of each course, of Major & General, of 100/75/50 (other than the Academic Project mentioned below) will be evaluated on the basis of the following components:

Unit Test:
- There will be two unit tests of 12 /10/10 marks each. The average of the two will be counted.

Assignment:
- There will be a Home Assignment of 8 /5 marks.

In courses of 50 marks each students shall be assessed on the basis of unit test only, and there shall be no home assignment

The answer scripts and marks will be submitted to the Head of the Department of History of the concerned college for onward transmission to the University.

7. As per the UGC guidelines, a minimum of 75% attendance is required for appearing in any semester examination.

ACADEMIC PROJECT

- The subject matter of the Project/ Projects will be selected by the Department of the respective

  colleges

- The themes could be of national, regional or local interest relating to the discipline of History

- The Project Report must be between 4000 and 5000 words

- The Report should be neatly typed in double space and in A-4 size paper , 12 font, Times New

Roman

- The students must be informed about the themes of the Project by the beginning of the Sixth semester.

- The Report should include names of reference books and other sources consulted.

- It must be submitted on a date to be fixed by the Department of the respective colleges.

- The component of the Internal Evaluation will include **10** (ten) marks for presentation of the Report and **5** marks for a *viva-voce* examination.

- The *viva voce* examination will be conducted by a Board of at least 3 members. Members of the Board will comprise of the teachers of the Department of the college and may include teachers from the History faculty of other colleges.

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POL SE 3014 Parliamentary Procedures and Practices

Course Objective: The course attempts to make the students familiar with legislative practices in India with an orientation to equip them with the adequate skills of participation in deliberative processes and democratic decision making. The introductory unit of the course aims to provide basic understanding on the constitutional provisions related to the process of legislations as well as the kinds of bills. The second unit of this course seeks to enhance proper understanding related to the procedures, practices related to the passage of a bill from drafting to that of the passing of the Bill. Third unit is about different Committees in the House, and the Fourth unit is on hours and motions in the House.

Course outcomes:
- To help students in understanding the practical approaches to legislatives practices and procedures,
- To make students understand the procedures and processes related to drafting a Bill and the passage of the Bill,
- To enable students to have an understanding of the importance of Parliamentary Committees,
- To make students learn about the basic functioning of Parliament.

I. Constitutional Provisions and Kinds of Bills (10 lectures)
> Constitutional provisions of legislative procedures: Articles 107-22
> Kinds of Bills: Ordinary Bills, Money Bills, Finance Bills, Private Member Bills

II. Drafting, Introductions and Readings of the Bills: Procedures and Processes (14 lectures)
> Drafting of the Bill
> First Reading and Departmental Standing Committee
> Second Reading
> Third Reading
> Passage of the Bill
> Consent by the President
> Gazette Notifications

III. Parliamentary Committees: Composition and Functioning (14 lectures)
> Departmental Standing Committees
> Select Committees
> Joint Parliamentary Committees
> Public Accounts Committee
> Committee on Privilege
> Business Advisory Committee
> Ethics Committee

IV. Motions and Hours in the House (10 lectures)
> Question Hour
> Zero Hour
> Calling Attention Motion
> Adjournment Motion
> Privilege motion,
> Censure motion,

'No-confidence' motion,
Cut motion

Modalities for Practical Component: Project Report/Field Study Report based on any activity i.e. visit to Assembly / District Administration/any other important places, Conducting Mock Parliament, Debate / Speech etc.

READING LIST

Kapur D. and P. Mehta eds. (2005), *Public Institutions in India: Performance and Design,* New Delhi, Oxford University Press.

Kaul, M. N. & S. L. Shakhdher (2016), *Practice and Procedure of Parliament*, New Delhi. Lok sabha Secretariat

Mehra, A.K. ed. (2017),*The Indian Parliament and Democratic Transformation*,New Delhi, Routledge.

Basu,D.D. (2006), *Introduction to the Constitution of India,* Nagpur, Wadhwa & Co.

Kapur, D., Mehta, P. & Vaishnab, M. eds. (2017), *Rethinking Public Institution in India,* New Delhi, Oxford University Press.

Kashyap, S. (2000), *Reviewing the Constitution,* New Delhi, Shipra Publication. _____. (2003), *Blueprints of Political Reforms*, New Delhi, Shipra Publication. _____. (2015), *Our Parliament,* New Delhi,NBT.

Malhotra, G. (2002), *Fifty years of Indian Parliament,* New Delhi, Lok Sabha Secretariate

Mehra, A.K.& Kueck G.W. eds. (2003), *The Indian Parliament: A Comparative Perspective,* New Delhi, Konark Publishers.

Prakash, A.S. (1995), *What Ails Indian Parliament,* New Delhi, Harper & Collins.

Pai, Sudha & Kumar, A. Eds. (2014), *The Indian Parliament: A Critical Appraisal*, New Delhi, Orient BlackSwan.

Shankar, B. & Rodriguez V. (2011), *The Indian Parliament: A Democracy at Work*, New Delhi, Oxford University Press.

Singh, D. (2016), *TheIndian Parliament: Beyond the Seal and Signature of Democracy*, Gurgaon, India, Universal Law Publishing.

Course objective:
The aim of this course is to highlight the importance of NCC and NSS. The students will be able to get involved with the NCC and the NSS and learn about its activities and undertake tasks under its aegis. The students will also be able to learn about the basics of disaster preparedness and its management.

Course Outcomes:
- To enable students to learn the importance of youth in NSS and NCC,
- To make students understand the activities related to NSS and NCC and its importance,
- To make students learn the basics of National Disaster Management and its importance.

Unit –I: Youth and National Service Scheme (NSS) (16 lectures)
- NSS: Organisation and Objectives
- NSS: Activities and Benefits
- NSS and its contribution

Unit-II: Youth and the National Cadet Corps (NCC) (16 lectures)
- Aims and objectives of the NCC
- Organisation and Training
- NCC and its benefits

Unit-III: Youth and National Disaster Management (16 lectures)
- Disaster Management Plan 2016-an overview
- National Disaster Management Authority
- Community involvement and preparedness: Assam

Modalities for Practical Component: Project Report/Field Study Report based on any activity i.e. awareness programme/campaign, group discussion, disaster management programme in collaboration with NCC and NSS unit etc.

READING LIST
Unit –I:
• NATIONAL SERVICE SCHEME MANUAL (REVISED), available at
http://nss.wbut.ac.in/documents/NSS_manual_2006.pdf
Unit-II:
• ANO Handbook, NCC, Available at
https://docs.google.com/viewerng/viewer?url=http://nccindia.nic.in/sites/default/files/ANO+Hand+Book_1.pdf
Unit-III:
• National Policy on Disaster Management, available at
https://ndma.gov.in/images/guidelines/national-dm-policy2009.pdf
• National Disaster Management Plan
Assam State Disaster Management Authority, http://sdmassam.nic.in/ini2.html

POL SE 4014: Panchayati Raj in Practice

Course objective: This course acquaints students with the Panchayati Raj Institutions and their actual working. It further encourages a study of PRIs in their mutual interaction and their interaction with the people.

Course outcomes:
- This paper will help students understand the importance of grassroot political institutions in empowering people.
- This paper will highlight the complex challenges faced by PRIs in India and mechanisms involved to make it more participatory and inclusive in nature.

I. Strengthening Democratic Functioning of the Panchayats (16 lectures)
   a. Participation at village level, action plan and participatory method
   b. Need assessment and Micro Planning
   c. Devolution

II. Panchayat Finances and Accounting (16 lectures)
   a. Constitutional Provisions on Panchayat Finances
   b. Fiscal Decentralisation and Audit system
   c. Social Audit

III. Problems and Needs of Disadvantaged Groups and Their Participation (16 lectures)
   a. Women
   b. Scheduled Tribes, Scheduled Casts and Minorities
   c. Panchayat Extension to Scheduled Areas (PESA) Act

Modalities for Practical Component: Project Report/Field Study Report based on any activity i.e. visit to Panchayat / local self bodies, local peoples' participation in the political system etc.

READING LIST
P. deSouza, (2002) 'Decentralization and Local Government: The Second Wind of Democracyin India', in Z. Hasan, E. Sridharan and R. Sudarshan (eds.) *India's Living Constitution: Ideas,Practices and Controversies,* New Delhi: Permanent Black
M. John, (2007) 'Women in Power? Gender, Caste and Politics of Local Urban Governance', in *Economic and Political Weekly*, Vol. 42(39)
Raghunandan, J. R (2012) Decentralization and local governments: The Indian Experience, Orient Black Swan, New Delhi
Baviskar, B.S and George Mathew (eds) 2009 Inclusion and Exclusion in local governance: Field Studies from rural India, New Delhi, Sage
M.Venkatarangaiya and M.Pattabhiram- Local Government in India, Allied Publishers-1969
SR Maheswari, Local Government in India, Lakshmi Narain Agarwal, 2008.

Bidyut Chakraborty and Rajendra Kumar Pandey, Modern Indian Political Thought – Text and Context, Sage, New Delhi, 2009.

Niraja Gopal Jayal and others, Local Governance in India – Decentralisation and Beyond, Oxford University Press, 2006.

Subrata K. Mitra. 2001. Making local government work: Local elites, panchayati raj and governance in India,

Atul Kohli (Ed.). The Success of India's Democracy. Cambridge: Cambridge University Press.

Ghosh , Buddhadeb & Girish Kumar-State Politics and Panchayats In India New Delhi: Manohar Publishers, 2003

Sudhakar , V. New Panchayati Raj System: Local Self-Government Community Development -Jaipur: Mangal Deep Publications, 2002.

Biju, M.R.- Decentralisation: an Indian experience, Jaipur: National Pub., 2007

POL SE 4024 Citizens and Rights

Course objective:
This course aims to understand law as a source of rights, as a progressively widening sphere of substantive justice, welfare, and dignity. This relationship between laws and rights will be studied through specific values which have come to be seen as integral for a democratic society viz., equality and non-discrimination, empowerment, redistribution and recognition of traditional rights etc.

Course outcomes:
- To analyse the linkages between citizenship, law, rights and equality
- To understand the measures of discrimination, justice and empowerment and the ways to protect the same.
- To evaluate the idea of justice and assess its relevance in context of contemporary India.

I. Equality and non-discrimination (12 lectures)
a. Gender: the protection of women against domestic violence, rape and sexual harassment
b. Caste and Class: laws concerning untouchability and minimum wages
c. Disability and equality of participation

II. Empowerment (12 lectures)
a. Access to information
b. Rights of the consumer

III. Redistribution, recognition and livelihood (12 lectures)
a. Traditional rights of forest dwellers and the issue of women's property rights
b. Rural employment guarantee

IV. Laws relating to criminal justice administration (12 lectures)
a. Filing of a complaint, First Information Report (FIR)
b. Detention, arrest and bail

Modalities for Practical Component: Project Report/Field Study Report based on any activity i.e. awareness programme on rights / gender discrimination / RTI / FIR etc.

READING LIST
I. Equality and non-discrimination
Essential Readings:
Gender Study Group, (1996) Sexual Harassment in Delhi University, A Report, Delhi: University of Delhi.
N. Jain, (2011) 'Physically/Mentally Challenged', in M. Mohanty et al. Weapon of the Oppressed, Inventory of People's Rights in India, Delhi: Danish Books, pp.171-179.
P. Mathew, (2002) The Law on Atrocities Against Scheduled Castes and Scheduled Tribes, New Delhi: Indian Social Institute.
P. Mathew, (2004) The Minimum Wages Act, 1948, New Delhi: Indian Social Institute.

K. Sankaran, (2008) 'Labour Laws and the World of Work', in K, Sankaran and U. Singh (eds.) Towards Legal Literacy, New Delhi: Oxford University Press, Pp.119-131.

K. Saxena, (2011) 'Dalits', in M. Mohanty et al., Weapon of the Oppressed, Inventory of People's Rights in India. Delhi: Danish Books, Pp.15-38

K. Saxena, (2011) 'Adivasis', in M. Mohanty et al., Weapon of the Oppressed, Inventory of People's Rights in India, Delhi: Danish Books, Pp.39-65.

S. Durrany, (2006) The Protection of Women From Domestic Violence Act 2005, New Delhi: Indian Social Institute.

V. Kumari, (2008) 'Offences Against Women', in K, Sankaran and U. Singh (eds.) Towards Legal Literacy, New Delhi: Oxford University Press.

P. D. Mathew,(2004)The Measure to Prevent Sexual Harassment of Women in Work Place. New Delhi: Indian Social Institute.

D. Srivastva, (2007) 'Sexual Harassment and Violence against Women in India: Constitutional and Legal Perspectives', in C. Kumar and K. Chockalingam (eds) Human Rights, Justice, and Constitutional Empowerment, Delhi: Oxford University Press.

II. Empowerment
Essential Readings:

N. Kurian, (2011) 'Consumers', in M. Mohanty et al., Weapon of the Oppressed, Inventory of People's Rights in India. Delhi: Danish Books.

S. Naib, (2013) 'Right to Information Act 2005', in The Right to Information in India, New Delhi: Oxford University Press, Available at http://www.humanrightsinitiative.org/publications/rti/guide_to_use_rti_act_2005_English2 012_light_Aspire.pdf, Accessed: 19.04.2013.

A. Roberts, (2010) 'A Great and Revolutionary Law? The First Four Years of India's Right to Information Act', Public Administration Review. Volume 70, Issue 6, pp. 925–933.

SAHRDC, (2006) 'Consumer Rights', in Introducing Human Rights, Oxford University Press, pp. 118-134.

III. Redistribution, Recognition and livelihood
Essential Readings:

M. Sarin and O. Baginski, (2010) India's Forest Rights Act -The Anatomy of a Necessary but Not Sufficient Institutional Reform, Department for International Development. Available at www.ippg.org.uk (Accessed: 10.04.2013).

J. Dreze, Dey and Khera, (2008) Employment Guarantee Act, A Primer, New Delhi: National Book Trust (Also available in Hindi).

Additional Readings:

K. Chaubey, (2013) 'Do Pragatisheel Kanoonon ki Dastan: Rajya, Jan Andolan aur Pratirdoh', Pratiman: Samay, Samaj, Sanskriti, CSDS- Vani Prakashn, pp. 149-177.

S. Dahiwale, (2009) 'Khairlanji: Insensitivity of Mahar Officers', Economic and Political Weekly, Vol. 44 (31), pp. 29-33.

J. Kothari, (2005) 'Criminal Law on Domestic Violence', Economic and Political Weekly, Vol. 40(46), pp. 4843-4849.

H. Mander, and A. Joshi, The Movement for Right to Information in India, People's Power for the Control of Corruption. Available at http://www.rtigateway.org.in/Documents/References/English/Reports/12.%20An%20article %20on%20RTI%20by%20Harsh%20Mander.pdf , Accessed: 10.04.2013.

P. Mathew, and P. Bakshi, (2005) 'Indian Legal System', New Delhi: Indian Social Institute.

P. Mathew, and P. Bakshi, (2005) 'Women and the Constitution', New Delhi: Indian Social Institute.

N. Menon, (2012) 'Sexual Violence', in Seeing Like a Feminist, New Delhi: Zubaan and Penguin, pp. 113-146.

M, Mohanty et al. (2011) Weapon of the Oppressed, Inventory of People's Rights in India. Delhi: Danish Books.

Centre for Good Governance, (2008) Right to Information Act, 2005: A Citizen's Guide, Available at
http://www.rtigateway.org.in/Documents/Publications/A%20CITIZEN'S%20GUIDE.pdf , Accessed: 10.04.2013.

K. Sankaran, and U. Singh, (eds.) (2008) Towards Legal Literacy. New Delhi: Oxford University Press.

Pandey, (2004) Rights of the Consumer. New Delhi: Indian Social Institute

IV. Laws relating to criminal justice administration

Essential Readings:

B. Pandey, (2008) 'Laws Relating to Criminal Justice: Challenges and Prospects', in K. Sankaran and U. Singh, Towards Legal Literacy, New Delhi: Oxford University Press, pp.61-77.

SAHRDC, (2006)'Reporting a Crime: First Information Report', in Oxford Handbook of Human Rights and Criminal Justice in India- The system and Procedure, New Delhi: Oxford University Press, pp.16-26.

SAHRDC, (2006) 'Bail', in Oxford Handbook of Human Rights and Criminal Justice in India The system and Procedure, New Delhi: Oxford University Press, pp.59-71.

SAHRDC, (2006) 'Detention', in Oxford Handbook of Human Rights and Criminal Justice in India- The system and Procedure. New Delhi: Oxford University Press, Pp.72-84.

P. Mathew, (2003) Your Rights if you are Arrested, New Delhi. Indian Social Institute.