ORDINANCES, TEST OUTLINES AND SYLLABI

For

B.Sc. - I HONOURS MATHEMATICS (SEMESTER I & II)

Academic Sessions
2026-27, 2027-28

Estd. 1971

GURU NANAK COLLEGE BUDHLADA

AN AUTONOMOUS COLLEGE

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Naveen Kumar

SYLLABUS

B.Sc.- I Honours Mathematics
PROGRAMME CODE: .....
SEMESTER I & II
SESSION 2026-2027, 2027-2028

SEMESTER-I

Paper Code	Paper Type	Name of Paper	Internal Assessment Marks	Written Examination/ Theory Marks	Total Marks	Contact Hours Per Week			
						L	T	P	Total
BSCHM105T	AEC-I	Composition and Grammar	15	35	50	2	0	0	2

SEMESTER-II

Paper Code	Paper Type	Name of Paper	Internal Assessment Marks	Written Examination/ Theory Marks	Total Marks	Contact Hours Per Week			
						L	T	P	Total
BSCHM205T	AEC-2	Composition and Vocabulary	15	35	50	2	0	0	2

Assessment Criteria:

Internal Assessment	Marks
	15
Performance in Mid-Semester Test	6
Assignment/Project/Seminar	6
Attendance	3

Semester I
CODE: BSCHM105T

AEC-I (Composition and Grammar)

External Exam Marks: 35 Marks
Internal Assessment: 15 Marks
Total : 50 Marks

Pass Percentage: 35%
External Examination Time: 1 hour 30 minuets

Course Objectives:

1. To develop a strong foundation in English grammar, including parts of speech, sentence structure and punctuation.
2. To enhance students' writing skills through guided practice in various forms of composition such as paragraphs, essays, letters and reports.
3. To cultivate clarity, coherence and unity in written communication.
4. To build editing and proofreading abilities for self-correction and improvement of written work.
5. To encourage creative and critical thinking through structured writing exercises and assignments.

Course Outcomes:

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

1. Apply standard grammatical rules to construct clear and grammatically correct sentences.
2. Compose well-structured written texts for academic and professional purposes.
3. Organize ideas logically and cohesively in essays, letters and other written formats.
4. Identify and correct common grammatical, punctuation and usage errors in their own and others' writing.
5. Demonstrate improved writing fluency and stylistic awareness across different contexts and audiences.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper shall comprise three sections.

Section-A shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks.

Section – B shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks.

Section-C will be compulsory with 11 questions from its respective portion in the syllabus of 01 marks. The section shall be of 11 marks.

The following units are to be studied: Units Exercises: 1-25, 69-81, Appendix 1-4. Solomon, Philip Sunil. Objective General English. Oxford University Press. The following units are to be studied: Exercises: 01 (Nouns), 3 (Articles), 10 (Tenses).

INSTRUCTIONS FOR THE CANDIDATES

The question paper shall comprise three sections.

Section-A shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks.

Section – B shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks.

Section-C will be compulsory with 11 questions from its respective portion in the syllabus of 01 marks. The section shall be of 11 marks.

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SECTION-A

1. Job Application Letters and CVs

2. Letter Writing (including E-mails)

SECTION-B

1. Report Writing
2. 2. Making Notes

SECTION-C

Murphy, Raymond. English Grammar or Use. Fifth Edition, Cambridge University Press, 2017.The following units are to be studied: Units Exercises: 1-25, 69-81, Appendix 1-4. Solomon, Philip Sunil. Objective General English. Oxford University Press. The following units are to be studied: Exercises: 01 (Nouns), 3 (Articles), 10 (Tenses).

Recommended Book and Suggested Readings:

1. Practical English Grammar by Thomson and Martinet
2. Grammar in Use by Raymond Murphy
3. A Communicative Grammar of English by Geoffrey Leech and Jan Svartvik
4. College Writing Skills with Readings by John Langan
5. The Written Word by Vandana R Singh
6. The Student's Companion By Welfred D. Best (Collins)

Teaching Learning Activities:

Assignments: Class assignments focus on a strong foundation of conceptual knowledge, better understanding of the subject and development of problem-solving skills.

Guest lectures: Guest lectures are conducted for overall development of students and a strong foundation of the subject.

Quizzes: Quizzes are organized to build the bridge between theoretical and practical applications of the learned concepts.

Group discussions: Group discussions are conducted to develop and boost the self confidence comparative aptitude and enhance the problem solving skills seminar seminars are conducted for overall personality development for interviews and class teaching this will help them in for the placement.

Naveen Kumar

Semester II
CODE: BSCHM205T
AEC-2 (Composition and Vocabulary)

External Exam Marks: 35 Marks
Pass Percentage: 35% Internal Assessment: 15 Marks
External Examination Time: 1 hour 30 minuets Total : 50 Marks

Course Objectives:

1. To acquaint students with major poets and movements in Modern English poetry from the late 19th century to the present.
2. To enable students to understand and analyze modern poetic forms, themes, and techniques, including symbolism, imagism and free verse.
3. To explore the social, political, and philosophical contexts that influenced modern poetry, such as war, industrialization and modernism.
4. To foster critical reading and interpretation skills through close textual analysis of selected poems.
5. To encourage appreciation of diverse poetic voices, including those from different cultures, genders and postcolonial backgrounds writing in English.

Course Outcomes:

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

1.Apply standard grammatical rules to construct clear and grammatically correct sentences.
2.Compose well-structured written texts for academic and professional purposes.
3.Organize ideas logically and cohesively in essays, letters and other written formats.
4.Identify and correct common grammatical, punctuation and usage errors in their own and others' writing.
5.Demonstrate improved writing fluency and stylistic awareness across different contexts and audiences.

INSTRUCTIONS FOR THE PAPER-SETTER

The question paper shall comprise three sections

Section A shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks

Section-B shall have two questions from its respective portion in the syllabus. Out of the two questions, the candidate shall be required to attempt any one question. The section shall be of 12 marks.

Section-C will be compulsory with 11 questions from its respective portion in the syllabus of 01 marks. The section shall be of 11 marks.

The following units are to be studied: Units Exercises: 26 -52, 82-91, Appendix 5-6. Solomon, Philip Sunil. Objective General English. Oxford University Press. The following units are to be studied: Exercises: 2 (Pronoun), 04 (Quantifies), 12 (Modal Verbs), 13 (Active Voice and Passive Voice) and 22 (Narration: Direct and Indirect Speech)



INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt any two questions from Section A, any two questions from Section B and all question of section C.

SECTION-A

1. Effective Writing
   Definition ,Steps for effective writing , Types of effective writing, Principles, Guidelines and importance of effective writing, Need for effective writing
2. Interpretation of Technical Data/Statistical Information

SECTION-B

1. Developing a story
2. Paragraph Writing

Section C

Murphy, Raymond. English Grammar in Use. Fifth Edition, Cambridge University Press, 2017. The following units are to be studied Exercises: 26-52, 82-91, Appendix 5-6.
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