Centre for Distance and Online Education

Scheme and Syllabus
Bachelor of Arts
(B.A-General Three Year Degree Programme)

As per NEP-2020 w.e.f. session 2026-27

Scheme: A

Guru Jambheshwar University of Science & Technology

Hisar-125001, Haryana

(A+ NAAC Accredited State Govt. University)

Scheme and Syllabus of Examination for BA Programme Session 2026-27

❖ BA Structure Under NEP

1. Core Courses(VAC):

- Main 3 subject each semester (Credits: 4 each)
- Core papers of your major subject
- Mandatory subjects you must study
- Build strong foundation in your field

2. Minor/Vocational

- 1 subject each semester (1st Year = 2 Credits each semester and 2nd & 3rd Year = 4 Credits each semester)
- Secondary subject (optional but structured)
- Taken from another discipline
- You study it for all semesters

3. MDC (Multidisciplinary Course)

- 1 subject first three semesters (3 Credits each semester)
- Subjects from **completely different streams**
- Helps broaden knowledge beyond your main field

4. AEC (Ability Enhancement Course)

- 1 subject first four semesters (2 Credits each semester)
- Improves language and foundational abilities

5. SEC (Skill Enhancement Course)

- 1 subject first three semesters (3 Credits each semester)
- Practical and skill-based learning
- Focus on employability

7. VAC (Value Added Course)

- 1 subject in three semesters (1st, 2nd and 4th)- (2 Credits each semester)
- Focus on values, ethics, and awareness

TENTATIVE SYLLABUS FOR B.A. GENERAL ACCORDING TO NEP (SCHEME-A)

DSC (DISCIPLINE SPECIFIC COURSES) – SUBJECT SELECTION RULE

1 LANGUAGE
(Choose Any One)

- English
- Hindi
- Sanskrit

+ 2 OPTIONAL SUBJECTS (Choose Any Two from the list below)
(No restriction except Political Science and Public Administration cannot be taken together)

History | Economics | Political Science | Public Administration
Sociology | Mathematics | Geography

ALLOWED COMBINATIONS (One Language + Any Two Optional Subjects)

	Optional Subject-2 (Can be chosen)						
Optional Subject-1	**History**	**Economics**	**Political Science**	**Public Administration**	**Sociology**	**Mathematics**	**Geography**
History	–	✓	✓	✓	✓	✓*	✓
Economics	✓	–	✓	✓	✓	✓*	✓
Political Science	✓	✓	–	✗ (Not allowed)	✓	✗	✓
Public Administration	✓	✓	✗ (Not allowed)	–	✓	✗	✓
Sociology	✓	✓	✓	✓	–	✗	✓
Mathematics	✓*	✓*	✗	✗	✗	–	✓*
Geography	✓	✓	✓	✓	✓	✓*	–

* Mathematics can be taken only with Economics or Geography.
NOTE: Political Science and Public Administration cannot be taken together.

MIC (MINOR COURSES)
(Choose Any One)
(2 Credits)

- History
- Home Science

NOTE: MIC subject cannot be the same as any subject taken in DSC. For example, if History is in DSC, then Home Science has to be taken.

MDC (MULTIDISCIPLINARY COURSES)
(Choose Any One)
(3 Credits)

- Indian Defence
- Idea Generation and Creativity

CONDITION: This subject should not be the same as any subject taken in DSC, MIC or studied in 12th class.

AEC – English / Hindi Communication Courses (2 Credits)

SEC – Computer (Skill Enhancement Course) (3 Credits)

VAC – EVS (Environmental Studies) (2 Credits)

COURSE STRUCTURE AND CREDIT DISTRIBUTION (SCHEME-A)

Semester	DISCIPLINE SPECIFIC COURSES (DSC)			MIC (Choose Any One) 2 Credits	MDC (Choose Any One) 3 Credits	AEC (Eng / Hindi) 2 Credits	SEC (Computer) 3 Credits	VAC (EVS) 2 Credits	Total Credits	Exit Option
	DSC-A 4 Credits	DSC-B 4 Credits	DSC-C 4 Credits							
I	DSC-A1 4 Credits	DSC-B1 4 Credits	DSC-C1 4 Credits	MIC-1 (History / Home Science) 2 Credits	MDC-1 (Indian Defence / Idea Generation and Creativity) 3 Credits	AEC-1 2 Credits (Eng / Hindi)	SEC-1 3 Credits (Computer)	VAC-1 2 Credits (EVS)	24	Under Graduate Certificate in Discipline with 52 Credits
II	DSC-A2 4 Credits	DSC-B2 4 Credits	DSC-C2 4 Credits	MIC-2 (History / Home Science) 2 Credits	MDC-2 (Indian Defence / Idea Generation and Creativity) 3 Credits	AEC-2 2 Credits (Eng / Hindi)	SEC-2 3 Credits (Computer)	VAC-2 2 Credits (EVS)	24	
Internship of 4 Credits of 4 weeks duration after 2nd Semester										
III	DSC-A3 4 Credits	DSC-B3 4 Credits	DSC-C3 4 Credits	MIC-3 (History / Home Science) 2 Credits	MDC-3 (Indian Defence / Idea Generation and Creativity) 3 Credits	AEC-3 2 Credits (Eng / Hindi)	SEC-3 3 Credits (Computer)	–	24	Under Graduate Diploma in Discipline with 96 Credits
IV	DSC-A4 4 Credits	DSC-B4 4 Credits	DSC-C4 4 Credits	MIC-4 (History / Home Science) 2 Credits	–	AEC-4 2 Credits (Eng / Hindi)	–	VAC-3 2 Credits (EVS)	20	
Internship of 4 Credits of 4 weeks duration after 4th Semester (if not done after 2nd Semester)										
V	DSC-A5 4 Credits	DSC-B5 4 Credits	DSC-C5 4 Credits	MIC-5 (History / Home Science) 2 Credits	–	–	Internship# 4 Credits	–	20	Bachelor in Discipline with 132 Credits
VI	DSC-A6 4 Credits	DSC-B6 4 Credits	DSC-C6 4 Credits	MIC-6 (History / Home Science) 2 Credits	–	–	–	–	20	
TOTAL CREDITS	72 Credits (18 Papers)			12 Credits	9 Credits	8 Credits	9 Credits + Internship 4 Credits	6 Credits	132 Credits	

 # Internship credits earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 year UG Programme without taking exit option.

Table 1: UG Programme (Multidisciplinary): Scheme-A

Semester	DISCIPLINE SPECIFIC COURSES (DSC)			Minor / Courses (MIC) including Vocational Courses (VOC)	Multidisciplinary Courses (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Courses (VAC)	Total credits	Exit option
	DSC-A 4 credits	**DSC-B** 4 credits	**DSC-C** 4 credits							
I	**DSC-A1** 4 credits	**DSC-B1** 4 credits	**DSC-C1** 4 credits	**MIC-1** 2 credits	**MDC-1** 3 credits	**AEC-1** 2 credits	**SEC-1** 3 credits	**VAC-1** 2 credits	**24**	Under Graduate Certificate in Discipline with 52 credits
II	**DSC-A2** 4 credits	**DSC-B2** 4 credits	**DSC-C2** 4 credits	**MIC-2** 2 credits	**MDC-2** 3 credits	**AEC-2** 2 credits	**SEC-2** 3 credits	**VAC-2** 2 credits	**24**	
Internship of 4 credits of 4 weeks duration after 2nd semester										
III	**DSC-A3** 4 credits	**DSC-B3** 4 credits	**DSC-C3** 4 credits	**MIC-3** 4 credits	**MDC-3** 3 credits	**AEC-3** 2 credits	**SEC-3** 3 credits		**24**	Under Graduate Diploma in Discipline with 96 credits
IV	**DSC-A4** 4 credits	**DSC-B4** 4 credits	**DSC-C4** 4 credits	**MIC-4 (VOC)** 4 credits		**AEC-4** 2 credits		**VAC-3** 2 credits	**20**	
Internship of 4 credits of 4 weeks duration after 4th semester (if not done after 2nd semester)										
V	**DSC-A5** 4 credits	**DSC-B5** 4 credits	**DSC-C5** 4 credits	**MIC-5 (VOC)** 4 credits			**Internship#** 4 credits		**20**	Bachelor in Discipline with 132 credits
VI	**DSC-A6** 4 credits	**DSC-B6** 4 credits		**MIC-6** 4 credits **MIC-7 (VOC)** 4 credits					**20**	
TOTAL CREDITS	**72 credits**			**24 credits**	**9 credits**	**8 credits**	**9 credits + Internship# 4 credits**	**6 credits**	**132**	

 # Four credits of internship earned by a student during summer internship after 2nd semester or 4th semester, will be taken into account in 5th semester of a student who pursue 3 year UG Programme without taking exit option.

Semester-I

English

Semistor-1
Introduction to Short Story and Basic Grammar
Discipline Specific Course (DSC)

Course Code: C24ENG101T
60 Hrs (4 Hrs. /week) **External Marks: 70**
Credits: 4 (3 Lectures +1 Tutorial) **Internal Marks: 30**
Exam Time: 3 Hrs. **Total Marks: 100**

Note: The examiner will set 5 questions in all. The Q.1 will be compulsory consisting of **seven** short questions of 2 marks each, covering the entire syllabus. The Question 2 will have two parts of seven marks each based on Unit I. Q2(a) will be an internal choice question on explanation with reference to the context, and Q2(b) will consist of three questions (word limit 70-80) and the students will have to attempt any **two**. Q.3 will consist of **three** essay type questions of 7 marks each based on Unit II, and the students will have to attempt any **two**. Q.4 will be based on Unit III. It will have 16 items of one mark each covering all the topics in the Unit, and the students will be required to attempt any 14 items. Q.5 will have two parts based on the corresponding two parts of Unit IV. In part one, i.e. 5(a), there will be 9 items of one mark each, and the students will be required to attempt any seven. In part two, i.e. 5(b), there will have four literary terms, and the students will have to attempt any two of 3.5 marks each.

Course Objectives:

1. To make students understand and appreciate various forms of short-fiction.
2. To develop creative and critical thinking among the students.
3. To enable the students to learn and use various topics of English Grammar.
4. To refine the oral and written expression of the students.

UNIT 1

1. Leo Tolstoy: “God Sees the Truth, But Waits”
2. Oscar Wilde: “The Model Millionaire”
3. R.K. Narayan: “The Blind Dog”
4. Bhisham Sahni: “The Boy with a Catapult”
5. Munshi Prem Chand: “The Child”
6. Mulk Raj Anand: “The Gold Watch”

UNIT II

1. Anita Desai: “Games at Twilight”
2. Shashi Deshpande: “The Beloved Charioteer”
3. Saadat Hasan Manto: “The Dog of Tithwal”
4. Agatha Christie: “Wasp’s Nest”
5. Zora Neale Hurston: “Sweat”
6. Nadine Gordimer: “Once upon a Time”

UNIT III

1. Tenses and Usage
2. Parts of Speech: Noun, Pronouns, Adjective, Verbs, Adverb, Conjunction, Interjection, Preposition

UNIT IV

1. Voice and Narration
2. Literary terms: short-story, fiction and non-fiction, plot, theme, foreshadowing, flashback, irony, wit, humour, narrator, point of view.

Suggested Readings:

- Abrams, M.H., and Geoffrey Galt Harpham. *A Glossary of Literary Terms*. Cengage Learning.
- F.T. Wood. *A Remedial English Grammar for Foreign Students*, Macmillan.
- Raymond Murphy. *English Grammar in Use*, OUP.
- Singh, K.K. *Practical English*, APH Publishing Corporation.
- Shahnaaz, Tasneem, et al. *English and Communication Skills I*, CUP.

Course Outcomes:

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

CO1 Comprehend different forms and techniques of short-fiction.
CO2 develop their ethical, creative and critical faculties. CO3 Learn correct use of tenses, parts of speech, voice and narration. CO4 Refine their oral and written communication in English.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3	PO4
CO1	S	M	M	S
CO2	M	S	S	S
CO3	M	M	S	S
CO4	M	M	S	S

S= Strong M=Medium W=Weak

Hindi

हिन्दी साहित्य-1 (प्रथम सेमेस्टर)

Discipline Specific Course (DSC)

Course Code: C24HIN101T
60 Hrs (4 Hrs/Week)
Credit : 4
Exam Time: 3 Hrs

External Marks : 70
Internal Marks : 30
Total Marks: 100

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

पाठ्यक्रम का उद्देश्य (Course Objective) :

1- हिन्दी भाषा और साहित्य के इतिहास से परिचित करवाना।

2- साहित्येतिहास की दृष्टि विकसित करना।

कार्यक्रम प्रतिफल (Program Outcomes) :

1- हिन्दी साहित्य इतिहास लेखन परंपरा और काल विभाजन की जानकारी होगी।

2- आदिकाल का नामकरण और आदिकाल की परिस्थितियों का ज्ञान होगा।

3- भक्तिकाल और साहित्य का परिचय प्राप्त करेंगे।

4- भारतीय काव्यशास्त्र और भाषा की जानकारी प्राप्त होगी।

इकाई-1

1. हिन्दी साहित्य इतिहास लेखन परंपरा।

2. हिन्दी साहित्य के इतिहास का काल विभाजन।

3. आदिकाल का नामकरण।

4. आदिकाल की परिस्थितियाँ।

इकाई-2

1. भक्तिकाल की परिस्थितियाँ।

2. संत काव्य की प्रवृत्तियाँ।

3. कबीर का साहित्यिक परिचय।

4. कबीर के दोहे (मध्यकालीन काव्यकुंज: सं० रामसजन पाण्डेय, खाटू श्याम प्रकाशन, राहे तक)

इकाई-3

1. काव्य के तत्त्व।

2. रस का स्वरूप, अवयव।

3. रस के भेद।

4. रसनिष्पत्ति।

इकाई-4

1. भाषा की परिभाषा ।
2. भाषा के विविध रूप : बोली, मानक भाषा, राष्ट्र भाषा, माध्यम भाषा, मातृभाषा ।
3. मानक भाषा की परिभाषा ।
4. मानक भाषा की प्रमुख प्रवृत्तियाँ ।

सहायक पुस्तकें :

1. आचार्य रामचन्द्र शुक्ल – हिन्दी साहित्य का इतिहास
2. आचार्य हजारीप्रसाद द्विवेदी – हिन्दी साहित्य का आदिकाल
3. डॉ. बच्चन सिंह – हिन्दी साहित्य का दूसरा इतिहास
4. डॉ. नगेन्द्र – हिन्दी साहित्य का इतिहास
5. हिन्दी भाषा – भोलानाथ तिवारी
6. हिन्दी शब्दानुशासन – किशोरीदास वाजपेयी
7. मानक हिन्दी का संरचनात्मक भाषाविज्ञान – ओमप्रकाश भारद्वाज
8. हिन्दी भाषा का उद्‌भव और विकास – उदयनारायण तिवारी

Mapping of CO with PO:

	PO1	PO2	PO3	PO4
CO1	S	M	S	S
CO2	S	M	S	S

S= strong M= medium W= weak

Sanskrit Elective

नीतिसातित्यं व्याकरणं च(Semester I)

Discipline Specific Course (DSC)

Course Code: C24SAE101T
60 Hrs. (4 Hrs./Week)
Credit : 4
Exam Time: 3 Hrs.

External Marks : 70
InternalMarks:30
Total Marks: 100

परीक्षा संबंधी निर्देश

प्रश्नपत्र हल करने की अधिकतम समय-सीमा 3 घंटे होगी। परीक्षक को कुल नौ प्रश्न निर्धारित करने होंगे। प्रथम प्रश्न अनिवार्य होगा, जिसमें पूरे पाठ्यक्रम को समाहित करते हुए सात लघु-उत्तरीय प्रश्न होंगे और प्रत्येक प्रश्न 2 अंक का होगा। इसके अतिरिक्त प्रत्येक इकाई से दो-दो प्रश्न निर्धारित किए जाएँगे। विद्यार्थियों को अनिवार्य प्रश्न संख्या 1 के अतिरिक्त प्रत्येक इकाई से एक-एक प्रश्न चुनकर कुल पाँच प्रश्न हल करने होंगे। सभी प्रश्न समान अंक के होंगे।

उद्देश्य

इस पाठ्यक्रम का उद्देश्य छात्रों में संस्कृत भाषा एवं साहित्य के प्रति समझ बढ़ाना है, ताकि वे इसे अन्य विषयों के साथ जोड़कर अपने ज्ञान को स्थिरता प्रदान कर सकें। संस्कृत भाषा में लिखित साहित्य का सामान्य ज्ञान तथा नीति संबंधी व्यावहारिक पक्ष भी सिखाना है, ताकि वे समाज में एक जिम्मेदार नागरिक बन सकें।

इकाई–**I**

- हितोपदेश: मित्रलाभ — मित्रलाभ-प्रस्ताव से लेकर कथा 2 अर्थात् वृद्धव्याघ्र-पथिक के 55वें श्लोक ‘भक्ष्यभक्षकयोः प्रीतिः...’ तक।
- (क) दो पाठ्यांशों की व्याख्या।
- (ख) सार।

इकाई–**II**

- नीतिशतकम् — श्लोक संख्या 1 से 50 तक।
- (क) दो श्लोकों का सरलार्थ।
- (ख) एक सूक्ति की व्याख्या।

इकाई–**III**

- संस्कृत व्याकरण।
- शब्दरूप: राम, कवि, भानु, पितृ, लता, अस्मद्, विद्वस्, राजन्, तद् (तीनों लिंगों में) तथा एक (तीनों लिंगों में)।
- धातुरूप: भू, हस्, नम्, गम्, अस्, जन्, कृ, नी, याच्, दृश्, वच् — केवल लट्, लोट्, लङ्, विधिलिङ् तथा लृट् लकारों में।

इकाई–**IV**

- सन्धि।
- (क) अच्-सन्धि, हल्-सन्धि एवं विसर्ग-सन्धि।
- (ख) कण्ठस्थ दो श्लोकों का शुद्ध लेखन (प्रश्नपत्र में पूछे गए श्लोकों से भिन्न)।

सुझाई गई पुस्तकें

- भर्तृहरि, नीतिशतकम्, टीकाकार डॉ. गंगासागर राय, चौखम्बा, वाराणसी, 2003।
- हितोपदेश, नारायण पण्डित, चौखम्बा संस्कृत सीरीज़, वाराणसी।
- रचनानुवाद कौमुदी, कपिल देव द्विवेदी, चौखम्बा प्रकाशन, वाराणसी।

पाठ्यक्रम के प्रतिफल **(Course Outcomes)**

CO1: संस्कृत भाषा का ज्ञान सरल मनोवैज्ञानिक विधियों द्वारा कराने के लिए अनेक ग्रंथ कथा-रूप में लिखे गए हैं, जैसे पंचतंत्र और हितोपदेश। इस घटक में मित्रलाभ प्रकरण द्वारा संस्कृत भाषा में प्रवेश करवाया जाता है।

CO2: नीतिशतकम् नीति से संबंधित श्लोकों के रूप में लिखा गया है। आचार्य भर्तृहरि द्वारा नीतिशतक के 50 श्लोकों में छात्रों को न्याय एवं नीति के माध्यम से सामाजिक बोध कराने का प्रयास किया गया है।

CO3: संस्कृत भाषा में शब्दरूप तथा धातुरूप का ज्ञान होना महत्वपूर्ण है। इस घटक में छात्रों को दैनिक दिनचर्या में प्रयुक्त होने वाले सरल धातुरूपों से परिचित कराया जाता है।

CO4: भाषा में सन्धियों का प्रयोग स्वाभाविक है। इस घटक में सन्धियों का बोध कराया जाता है, जिससे विद्यार्थी भाषा को सरलता से समझ सकें तथा सन्धि-पदों को पृथक करके अर्थबोध करने का सामर्थ्य प्राप्त कर सकें।

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	M	M
CO2	M	S	S
CO3	W	M	W
CO4	S	W	M

S= Strong M=Medium W=Weak

Political Science

Principles of Political Science – I (Semester I)
Discipline Specific Course (DSC)

Course Code: 24POL101T **External Marks : 70**
60 Hrs (4 Hrs/Week) **Internal Marks : 30**
Credit : 4 **Total Marks: 100**
Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *The objectives of the course are to identify the key theoretical approaches and methods used in comparative politics in the hope that students apply these comparative approaches to one, two, or more countries*

Unit – I
Meaning, Nature, Scope and Significance of Political Science; Relationship of Political Science with Philosophy, History, Economics and Sociology

Unit – II
State: Meaning, Definition and Elements; Origin and Development of the State: Divine Origin
Theory, Force Theory, Social Contract Theory and Evolutionary Theory

Unit - III
Functions of the State, State and Society, State and Government, State and Nation

Unit – IV
Sovereignty: Meaning, types and main characteristics, monistic and pluralist Theories of sovereignty.

Books Suggested:

1. A.C. Kapur. (2017). Principles of Political Science. S. Chand Publishing.
2. Ball, T., Dagger, R., & O'Neill, B. (2020). Political Ideologies and the Democratic Ideal. Pearson.
3. Beetham, D. (2013). The Legitimation of Power. Palgrave Macmillan.
4. Beetham, D., & Boyle, K. (2019). Introducing Democracy: 80 Questions and Answers. Polity Press.
5. Bidyut Chakrabarty. (2019). Indian Politics. Pearson.
6. Copley, A. (2018). Essentials of Political Science. Oxford University Press.
7. Easton, D. (2013). The Political System: An Inquiry into the State of Political Science. University of Chicago Press.
8. Garner, R., Ferdinand, P., Lawson, S., & Wilkinson, A. (2016). Introduction to Politics. Oxford University Press.

9. Heywood, A. (2013). Political Ideologies: An Introduction. Palgrave Macmillan. 10. Heywood, A. (2017). Political Theory: An Introduction (5th Ed.). Palgrave Macmillan.
11. Heywood, A. (2019). Politics (5th Ed.). Palgrave Macmillan.
12. Hoffman, J. (2005). Sovereignty. In W. Carlsnaes, T. Risse, & B. A. Simmons (Eds.), Handbook of International Relations (Pp. 70-88). SAGE Publications.
13. Kelsen, H. (2000). The Essence and Value of Democracy. Rowman & Littlefield.
14. M.P. Jain. (2021). Political Theory: An Introduction. Lexis Nexis.
15. M.V. Pylee. (2018). Political Theory: Ideas and Concepts. SAGE Publications India.
16. Roskin, M. G., Cord, R. L., Medeiros, J. A., & Jones, W. S. (2017). Political Science: An Introduction. Pearson. **Course Outcome:**

At the end of the course the students would be able to:

CO1 Understand the meaning, nature and scope of Political Science along with its relationship with other Social Sciences.

CO2 Understand the concept, development and theories of the origin of State. CO3 Develop a thorough understanding of state and its relationship with society, government and nation. CO4 Comprehend the concepts, features and theories of sovereignty.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	M	M
CO2	M	S	S
CO3	W	M	W
CO4	S	W	M

S= Strong M=Medium W=Weak

Public Administration
Fundamentals of Public Administration (Semester I) Discipline Specific Course (DSC)

Course Code: C24PUB101T **External Marks : 70**
60 Hrs (4 Hrs/Week) **Internal Marks : 30**
Credit : 4 **Total Marks: 100**
Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *To implement/enforce public policies and laws. To conduct and manage development administration. To conduct public welfare activities. To properly manage the public affairs.*

Unit – I Public Administration as a Discipline

Meaning, Nature, Scope, & Significance of Public Administration and its relation with other disciplines Public and Private Administration
Evolution of Public Administration & Minnow brook Conferences
New Public Administration (NPA)

Unit – II Organization and its Principles

Organization: Meaning, Basis and Forms of Organizations
Principles of Organization: Hierarchy, Unity of Command, Span of Control, & Coordination
Authority and Responsibility, Supervision and Control, Centralization, Decentralization and Delegation

Unit - III Organization Structure & Behavior

The Chief Executive: Meaning, Types, Functions and Role
Line, Staff and Auxiliary Agencies; Headquarter and Field Relationships. Decision-making and Communication

Unit – IV Emerging Perspectives – I

State Vs. Market Debate – Public Choice Paradigm
Development Administration:
Meaning, Nature and Scope Good
Governance and civil society

Books Suggested:

1. Avashti and Maheshwari. 2017. Lok Prashashan. Lakshimi Narain Agarwal Educational Publishers: New Delhi
2. Basu Rumki. 1994. Public Administration: Concepts and theories. Sterling Publishers: New Delhi.
3. Bhattacharaya, M. New Dimensions of Public Administration (Hindi medium)

4. Bhattacharya, M. 2006. 'Chapter 2 and 4', in Social Theory, Development Administration and Development Ethics, New Delhi: Jawahar Publishers.
5. Bhattacharya, M. 2012. Public Administration: Issues and Perspective. New Delhi: Jawahar Publishers
6. Chakrabarty, Bidyut and Chand, Prakash. 2012. Public Administration in a Globalizing World: Theories and Practices. Sage: New Delhi.
7. Denhart, R. B. & Denhart, J.V. 2000. "The New Public Service: Serving Rather Than Steering". Public Administration Review, Volume 60, No-6. 8. Frederickson. H. 2004 'Toward a New Public Administration'. in J. Shafritz, & A. Hyde, Classics of Public Administration, 5th Edition, Belmont: Wadsworth.
9. Rosenbloom, D., R. Kravchuk and R. Clerk in. 2009. Public Administration: Understanding Management, Politics and Law in Public Sector, 7th edition, New Delhi: McGraw Hill, pp. 1-40
10. Sharma, P.D. Lok Prashashan: Siddhant Awam Vyavhar
11. Stivers, Camila. 2002. Gender Images in Public Administration. California: Sage Publishers.
12. Transforming the Public Sector. New York: Addison Wesley.
13. Wharton, Amy. S. 2012. The Sociology of Gender. West Sussex: Blackwell-Wiley Publishers

Course Outcome:

At the end of the course the students would be able to:

CO1 Gain knowledge of meaning and basic concepts related to growth and evolution of the discipline of Public Administration

CO2 Comprehend principles and various approaches of Public Administration CO3 Students will acquaint with recent development and debates in the discipline.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	S
CO2	M	S	S
CO3	W	W	W

S= Strong M=Medium W=Weak

History
History Idea of Bharat (Semester I)
Discipline Specific Course (DSC)

Course Code: C24HIS101T **External Marks : 70**
60 Hrs (4 Hrs/Week) **Internal Marks : 30**
Credit : 4 (3 Theory + 1 Tutorial) **Total Marks: 100**
Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *The aims of this course are to provide basic knowledge of the primitive life and cultural status of the people of ancient India. They can gather knowledge about the society, culture, religion and political history of ancient India.*

Unit – I

The Concept of *Bharatvarsha*:

Indian Knowledge Traditions: Understanding of *Bharatvarsha* and its Political Contours
Indian Concept of Time and Space
The Historical Glory of Ancient Indian Literature: *Vedas*, *Upanishads*,
Epics, *Puranas*, Jain and Buddhist Literature etc. Ancient Indian Educational System

Unit – II

Dharma, Philosophy, Art and Culture

Indian Perception of *Dharma* and *Darshan*
The Concept of *Vasudhaiva Kutumbakam*: Man, Family, Society and World
Polity and Governance: Concept of *Janpada* &*Gram Swarajya*
Salient Features of Indian Arts Salient features of Indian Culture

Unit - III

Science, Environment and Economy

Science, Technology & Mathematics in Ancient India
Health Consciousness (Science of Life): *Ayurveda*, *Yoga* and Naturopathy Environmental Conservation: Indian View
Indian Economic Thoughts: Agriculture**,** Industry, Trade and Maritime Commerce

Unit

- IV Maps (India):

Political Contours of ancient *Bharatvarsha*
Places of Indian Arts in ancient times
Important *Janpadas* of ancient India
Maritime Commerce in ancient India

Books Suggested:

Altekar, A.S, Education in Ancient India, Nand Kishore & Bros, Varanasi, 1944. Arrhenius, G., Evolution for Space. Arvind, Shri, Bhartiya Sanskriti Ke Adhar, Arbindo Ashram, Pondeycheri. Bhagvadatt, Vrihad Bharat Ka Itihas, Pranav Prakashan, New Delhi. Dharampal, The Beautiful Tree, Other India Press, Delhi,1995.
Dinkar, Ramdhari Singh, Sanskriti Ke Char Adhyaya, Sahitya Academy, New Delhi, 1956. Durant, Will, The Story of Civilization, US, Jan. 1993 (11 Vol).
Dwivedi, Kapil Dev, Vedon Mein Tatva Gyan, Tatva Bharti Anusandhan Parishad, New Delhi, 2014.
Elliott, Faith Robertson, Elliott, Gender, Family and Society, St. Martin press, New York,1996 Ginshurg, Zekuthial, New light on Our Numerals Maurice, Thomas, Indian Antiquities, Pub. T. Maurice, 1806, London.

Mittal, Satish Chand, Bhartiya Sanskriti Ke Char Adhyaya, ABISY, New Delhi, 2018 Mohan, Narendra, Bhartiya Sanskriti, Prabhat Prakashan, New Delhi, 2011.
Mookherjee, Radha, The Fundamental Unity of India, Longsman, Calcutta, 1914. Mookherjee, Radha Kumud, Indian Shipping, Pub. South Asia Books, 1999.
Pandey, Govind Chandra, Bhartiya Sanskriti, Hindi Grantha Academy, Bhopal, 2008.
---------, Vedic Sanskriti, Lok Bharti Prakashan, Allahabad.
Pandey, Omprakash, Drishvya Jagat Kayatatat, Prabhat Prakashan, New Delhi, 2005. Pandey, Rajbali, Bhartiya Puralipi, Lok Bharti Prakashan, Allahabad, 1998
Sihag, Balbir Singh, Kautilya: The True Founder of Economics, Vitasta Publishing Pvt. Ltd, Delhi, 2014.

Course Outcome:

At the end of the course the students would be able to:

CO1 Acquaint with the concept of *Bharat*/*Bharatvarsha* and its eternity and major Knowledge Traditions and Educational System in ancient India.

CO2 Understand the concepts, ideas and developments in the spheres of *Dharma*, Philosophy, Art and Culture in ancient India.

CO3 Grasp the concepts, ideas and developments in the spheres of Science, Environment, Polity and Economy in ancient India.

CO4 Demonstrate the Political Contours of ancient *Bharatvarsha*; Places of ancient Indian Arts; Important ancient *Janpadas* and ancient Maritime Commerce on the outline map of India and also explicate it historically.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	M	M
CO2	M	S	S
CO3	W	M	W
CO4	S	W	M

S= Strong M=Medium W=Weak

Economics
Micro Economics-I (Semester I)
Discipline Specific Course (DSC)

Course Code: C24ECO101T **External Marks :70**
60 Hrs. (4 Hrs./Week) **Internal Marks :30**
Credit : 4 (3Theory+1Tutorial) **Total Marks: 100**
Exam Time: 3 Hrs.

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Course Objective: To know the scope and breadth of Micro Economics along with understanding the core principles of demand and supply so as to equip the students in thinking critically about the realworld economic problems and their solutions.

U N IT-I

Economics: Definition, Nature, Scope
The Economic Problem: Scarcity and Choice, Function of an Economic System
Law of Demand, Elasticity of Demand: Concept, Types, Measurement, Determinants and Importance, Supply Curve & Elasticity of Supply.

U N IT-II

Concept of Utility, Cardinal Utility Analysis: Law of Diminishing Marginal Utility, Law of EquiMarginal Utility, Derivation of Demand Curve, Ordinal Utility Analysis, Indifference Curve Analysis, Consumer Equilibrium, Price, Income and Substitution effects, Consumer Surplus. **U N IT-III**

Production Function & Product Curves, Law of Variable Proportions, Iso-quants & Iso-Lines, Returns to Scale, Economies & Diseconomies of Scale Internal & External **U N IT-IV**

Cost Analysis: Concepts of Cost, Short Period Costs, Long Period Costs, Modern Theory of Costs, Revenue: Total. Average and Marginal Revenue, Break Even Analysis and its Uses.

Suggested Readings

1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Mankiw, N. (2007). Economics: Principles and applications, 4th ed. Cengage Learning.
3. A. Koutsoyiannis, Microeconomics, 2nd Edition.
4. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw- Hill.
5. Snyder, C., Nicholson, W. (2010). Fundamentals of microeconomics. Cengage Learning.
6. Varian, H. (2010). Intermediate microeconomics: A modern approach, 8th ed. W. W. Norton.

Course Outcome:

At the end of the course, the students would be able to:

CO1 Learn the how to get optimization of Resources at Micro level.

CO2	Understand the concept of rationality to solve the micro level problems.
CO3	Comprehend the concept of competitiveness at Micro Level
CO4	Make business strategies given economic scenario

Mapping of CO with PO

Outcomes	PO1	PO2	PO3	PO4
CO1	S	M	S	S
CO2	S	S	M	M
CO3	S	M	M	S
CO4	S	S	M	M

S= Strong M=Medium W=Weak

Sociology

Sociology Introduction to Sociology (Semester I)
Discipline Specific Course (DSC)

Course Code: C24SOC101T **External Marks : 70**
60 Hrs (4 Hrs/Week) **Internal Marks : 30**
Credit : 4 **Total Marks: 100**
Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *The paper intends to familiarize students with the scope and subject matter of sociology and its relevance in everyday life with enhancing their social skills for their better socio-economic life opportunities according to the contemporary need of society.*

Unit – I

Introduction to Sociology: Meaning, Nature and Scope; Development of Sociology, Relationship of Sociology with History, Psychology and Economics.

Unit – II

Basic concepts: Society, Community, Institution, Association, Groups: Primary and Secondary; Reference Group, Social Structure, Status and Role.

Unit - III

Culture and Society: Culture and its types, Socialisation - Stages and Agencies; , Religion - Meaning, forms, functions and dysfunctions; Concept of Religiosity.

Unit –

IV Social Change: Meaning and Types of Change, Factors of Social Change; Forms of Social Change: Evolution, Progress, Growth, Development, Revolution; Barriers to Social Change. **Books Suggested:**

1. Bottomore, T.B. (1972), *Sociology: A Guide to Problems and literature*. Bombay: George
2. Allen and Unwin (India).
3. Harlambos, M. (1998), *Sociology: Themes and Perspectives*. New Delhi: Oxford University Press.
4. Jayaram, N. (1988), *Introductory Sociology*. Madras: Macmillan India.
5. Johnson, Harry M. (1995), *Sociology: A Systematic Introduction*. New Delhi: Allied Publishers.
6. Kingsley, Davis. (1981), *Human Society*, New Delhi: Surjeet Publications.
7. Gisbert. P. (2016), *Fundamentals of Sociology*, New Delhi, Orient Black Swan,
8. Nagla, Bhupender Kumar & Sheobahal Singh (2019), *Introducing Sociology*, Jaipur, Rawat Publication 9. Yadav, Ram Ganesh (2014), *Samajshastra Parichay*, New Delhi, Oriental Black Swan
10. Sachdeva, Bhushan (2012), *Fundamentals of Sociology*, Delhi: Pearson.
11. Sachdeva, Bhushan (2012), *Samajshastra*, Delhi: Pearson

Course Outcome:

At the end of the course the students would be able to:

CO1 Understand the nature, scope & development of sociology; relationship with other Social Sciences.
CO2 Learn about the basic concepts of Sociology
CO3 Acquire conceptual clarification regarding culture and sociali sation.
CO4 Gain knowledge about the process of social change and allied concepts.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	M
CO2	S	M	M

CO3	M	M	M
CO4	M	M	M

S= Strong M=Medium W=Weak

Geography

Geography of India (Semester I)

Discipline Specific Course (DSC)

Course Code: C24GEO101T **External Marks :** 50
45 Hrs. (3 Hrs./Week) **Internal Marks :** 20
Credit : 3 **Total Marks:** 70
Exam Time: 2.5 Hrs.

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The student shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objective*:* To introduce the students with Physical, Natural, Demographic, Economic and Developmental elements of India.

Unit-I

15 Hrs

Physiology of India: Location, relief, and drainage system.
Climate, soils, natural vegetation, and natural disasters in India.

Unit-II

15 Hrs

Population: distribution, density, growth and composition.
Green Revolution in India; Production and Distribution of crops: Rice, Wheat, Cotton and Sugarcane. Energy resources: coal, petroleum, hydroelectricity, solar, and nuclear energy.

Unit-III

15 Hrs

Mineral resources: iron ore, manganese, aluminum, and mica.
Industrial regions of India and Industries- iron and steel, cotton textile, sugar.
Transport and communication, Modes of transport: Road, Railway, Water

Geography of India Lab

Course Code: C24GEO101P **External Marks: 20**
30 Hrs (2 Hrs/week) **Internal Marks: 10**
Credit: 1 **Total Marks: 30**
Time: 2 Hrs

Practical Record: A project file of at least 10 exercises on the below mentioned themes:

1. Drawing of Isopleths (Isotherms and Isobars) on map of India. (2 Exercise)
2. Representation of population distribution (Dot Method) and density (Choropleth) on map of India.
   (2 Exercise)
3. Representation of age and sex structure. (Pyramid diagram 1 Exercise)
4. Representation of rainfall deviation in India at least for 20 years. (1 exercise)
5. Representation of production (Graphical) and distribution (Map) of crops, mineral and energy resources. (any 2 Exercise)
6. Mapping of modes of transport in India. (any 2 Exercise)

Recommended Books:

1. Deshpande C. D. (1992) India: A Regional Interpretation, ICSSR, New Delhi.
2. Hussain M. (1992) Geography of India, Tata McGraw Hill Education
3. Johnson, B. L. C., ed. (2001) Geographical Dictionary of India. Vision Books, New Delhi.
4. Mamoria C. B. (1980) Economic and Commercial Geography of India, Shiva Lal Agarwala.
5. Mandal R. B. (ed.), (1990) Patterns of Regional Geography – An International Perspective. Vol. 3 – Indian Perspective.
6. Sdyasuk Galina and P Sengupta (1967) Economic Regionalisation of India, Census of India 7. Sharma, T. C. (2003) India - Economic and Commercial Geography. Vikas Publ., New Delhi. 8. Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur
9. Tirtha, Ranjit (2002) Geography of India, Rawat Publs., Jaipur & New Delhi.

Course outcomes

At the end of the course, the students would be able to:

CO1	Understand the physiography of India.
CO2	Enable to understand the natural and physical components of India.
CO3	Conceptualization and understanding of demographic situation of India.
CO4	Context of Green Revolution and its impact on major crops of India.
CO5	Provide awareness about the resources, industries and transportation in India.
CO6	Enable students to Represent different geographical data with the help of graphical and map tools.

Mapping of CO with PO

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	M	S
CO2	S	S	S	M	M	S
CO3	M	M	M	M	M	S
CO4	S	M	S	S	M	M
CO5	M	M	M	M	W	S

CO6	S	S	M	M	M	S

S= strong M= medium W= weak

Mathematics

Basic Algebra and Number Theory

Discipline Specific Course (DSC) (Semester I)

Paper Code: C24MAT101T

45 Hrs (3 Hrs /Week) **External Marks: 50**

Credits: 3 **Internal Marks: 20**

Exam. Time: 2.5 Hrs **Total Marks: 70**

Note: The examiner is required to set nine questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions (each question may be of at least 2 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Objective: *The students will be able to be familiarized with the basics of Algebra and Number Theory and its applications.*

Unit - I

Symmetric, Skew-symmetric, Hermitian and Skew- Hermitian matrices, Elementary operations on matrices, rank of a matrix. Row rank and column rank of a matrix. Eigen values, eigenvectors and the characteristic equation of a matrix. Minimal polynomial of a matrix. Cayley Hamilton theorem and its use in finding the inverse of a matrix.

Unit - II

Applications of matrices to a system of linear (both homogeneous and non–homogeneous) equations. Theorems on consistency of a system of linear equations. Unitary and Orthogonal Matrices.Relations between the roots and coefficients of general polynomial equation in one variable.

Unit - III

Solutions of polynomial equations having conditions on roots. Common roots and multiple roots. Nature of the roots of an equation, Solutions of cubic equations (Cardon's method). Biquadratic equations and their solutions (Ferrari's Method).

Unit - IV

Divisibility, G.C.D. (greatest common divisors), L.C.M. (least common multiple), problems based on prime numbers, Fundamental Theorem of Arithmetic. Linear Congruence, Euler's Theorem, Fermat's theorem. Wilson's theorem and its converse. Chinese Remainder Theorem.

Recommended Books:

1. Seymour Lipschutz and Marc Lars Lipson (2013). Linear Algebra (4th Edition).Schaum's Outline Series, McGraw-Hill.
2. K. B. Dutta (2004). Matrix and Linear Algebra. Prentice Hall of India Pvt. Ltd.
3. Vivek Sahai & Vikas Bist (2013). Linear Algebra (2nd edition). Narosa Publishing House.
4. I. Niven (1991). An Introduction to the Theory of Numbers (5th edition). John Wiley & Sons.

5. H.S. Hall and S.R. Knight (2023). Higher Algebra (7th edition). Arihant Publications.
6. Stephen H. Friedberg, Arnold J. Insel & Lawrence E. Spence (2022). Linear Algebra(5th edition). Prentice Hall of India Pvt. Ltd.
7. Leonard Eugene Dickson (2009). First Course in the Theory of Equations. The Project Gutenberg EBook (http://www.gutenberg.org/ebooks/29785).

Course Outcomes (COs):

At the end of the course, the students would be able to:

CO1.Have knowledge of procedure and cognitive skills used in calculating rank of a matrix, eigen values, characteristic equation, minimal polynomial of a matrix and technical skills used in solving problems based on Cayley-Hamilton theorem.

CO2. Have knowledge of the concepts used in solving problems based on relations between the roots and coefficients of general polynomial equation in one variable, solutions of polynomial equations having conditions on roots, common roots and multiple roots.

CO3. Have deeper and procedural knowledge required for solving cubic and biquadratic equations used in Mathematics as well as many other learning fields of study. To understand the basic concepts of number theory and their applications in problem solving and life-long learning.

CO4. Have knowledge of concepts, facts, principles and theories of divisibility, number system, Linear Congruence,

Fermat's theorem, Euler's theorem, Wilson's theorem and its converse.

Mapping of CO with PO

C24MAT101T

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	S	S	S	S	M	S	S
CO2	S	S	S	S	M	S	M	S	S	S
CO3	S	S	S	S	S	M	S	S	M	M
CO4	S	M	S	S	M	S	S	S	S	M

S = strong M = medium W = weak

Basic Algebra and Number Theory Lab

Discipline Specific Course (DSC) (Semester I)

Paper Code: C24MAT101P
30 Hrs (2 Hrs /Week) **External Marks: 20**
Credit: 1 **Internal Marks: 10**
Exam. Time: 3Hrs **Total Marks: 30**

Objective: *The students will be able to understand the basics of Python Language and its Mathematical Applications.*

The following practical will be done using PYTHON Language and their record will be maintained: Part A:

1. Introduction to PYTHON Language.
2. The history of PYTHON Language.
3. To learn basic commands and applications of PYTHON Language.
4. Learn to use basic operators and function in PYTHON Language.
5. To explore the different menus in PYTHON Language.
6. Learn Keywords/Reserved words in PYTHON Language.
7. To learn the use of predefined functions in PYTHON Language.

Part B:

1. To learn basic operations on matrices.
2. To find the value of a determinant of matrix of order up to four.
3. To compute inverse of square matrix of order up to four.
4. To find Eigen values of square matrix of order up to four.
5. To find Eigen vectors of square matrix of order up to four.
6. To solve system of linear equations.
7. To find roots of quadratic, cubic and biquadratic equations.
8. To find multiple roots of algebraic equations.
9. To discuss nature of roots of an equation.
10. To learn the concept of divisibility in integers.
11. To find the number of divisors of an integer.
12. To find GCD and LCM of two integers.
13. To find the remainder of an integer when divided by the integer.
14. To find the integers x, y such that d = ax + by where d is the g.c.d. of a and b.
15. To solve problem based on the concept of primes.
16. To solve problems based of the concept of linear congruence.

Recommended Books /Download Links:

1. Website Link:www.python.org
2. Rashi Gupta (2002). Making Use of Python. Wiley Publishing, Inc., New York.
3. Peter Norton et.al (2005). Beginning Python. Wiley Publishing, Inc., New York.
4. Wes McKinney (2017). Python for Data Analysis, O'Reilly.http://oreilly.com/catalog/errata.csp?isbn=9781491957660.

Course Outcomes (COs):

At the end of the course, the students would be able to:

CO1. Attain cognitive and technical skills required to formulate and solve practical problems involving rank of a matrix, inverse of a matrix, finding the inverse using Cayley Hamilton theorem.

CO2. Have technical and practical skills required for solving algebraic equations, finding inverse and Eigen values of matrices by using built in functions of language.

CO3. To have practical skills to solve cubic and biquadratic equations using Cardon's method, Ferrari's method, Descarte's method.

CO4. To solve the problems based on Euler's theorem and Fermat's theorem and Chinese Remainder theorem.

Mapping of CO with PO
C24MAT101P

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	S	S	S	S	M	S	S
CO2	S	M	S	S	M	S	S	S	S	S
CO3	S	S	S	S	S	M	M	S	M	M
CO4	S	M	S	S	M	S	S	S	S	M

S = strong M = medium W = weak

History

History Indian National Movement (Semester I)

Minor Course (MIC)

Course Code: C24MIC112T **External Marks : 35**
30 Hrs (2 Hrs/Week) **Internal Marks : 15**
Credit : 2 **Total Marks: 50**
Exam Time: 2 Hrs

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *During this period, main objectives of the Indian National Movement were: To develop political agitations within the limits of law and by constitutional methods. To make the British Government aware of the Indian condition because they believe that the Britishers were and wanted to be just to the Indians.*

Unit – I

- Origins of the National Consciousness
- Founding of Indian National Congress and Moderates
- Extremists: Ideology, Programmes and Politics
- Role of Mahatma Gandhi in Freedom Movement: Non-Cooperation Movement, Civil Disobedience Movement and Quit India Movement

Unit – II

- Ideology and Contribution of Revolutionaries with special reference to Bhagat Singh
- Subhash Chandra Bose and Indian National Army
- Rise of Communal Politics: Muslim League – Ideology and Politics
- Partition and Independence of India

Books Suggested:

1. Bipan Chandra et. al., Bharat Ka Swatantrata Sangharsh (Hindi)
2. Bipan Chandra et. Al., India's Struggle For Independence
3. Chahal, S.K., Dalits Patronized
4. Desai, A.R., Social Background of Indian Nationalism
5. Guha, Ranjit (ed.), Subaltern Studies, Vol. I – XI
6. Gupta, M.N., History of the Revolutionary Movement in India
7. Hasan, Mushirul, India's Partition : Process, Strategy and Mobilization
8. Majumdar, Datta and Ray Chowdhary, Advanced History of India
9. Moon, Penderal, Divide and Quit
10. Nanda, B.R., Gandhi : A Biography
11. Nanda, B.R., Jawaharlal Nehru : A Biography
12. Omvedt, Gail, Dalits and Democratic Revolution : Dr. Ambedkar and Dalit Movement in Colonial India
13. Pannikar, K.N., National and Left Movements in India

14. Raychaudhuri, Tapan and Irfan Habib,,The Cambridge Economic History of India
15. Sarkar, Sumit, Modern India
16. Spear, T. G. P., History of India, Vol. II
17. Tara Chand, History of the Freedom Movement in India, Vols. I – IV

Course Outcome:

At the end of the course the students would be able to:

CO1 Acquaint with the Idea of History in India; Ancient Indian Literature and its Historicity, and Myths and Reality *vis-à-vis* Historical Understanding in India.

CO2 Understand the deep-rooted impact of social inequalities based on Class, Caste & Gender in shaping historically the Culture of India.

CO3 Grasp the Cultural Assimilation and Cultural Heritage in India with particular reference to Great &
Little

CO4 Traditions; Emergence of Composite Culture; Main Components of Cultural Heritage in India, and Built Heritage and Historical Tourism in Indian Context.

CO5 Familiar with the Cultural Forms and Cultural Expressions like Performing Arts, Fairs & Festivals, and the issues of Cultural Identity in the era of Globalization. **Mapping of CO with PO**

Outcomes	PO1	PO2	PO3
CO1	S	W	S
CO2	S	M	W
CO3	W	S	S
CO4	W	W	M
CO5	M	M	S

S= Strong M=Medium W=Weak

Home Science
Housing and space planning (Semester I)
Minor Course (MIC)

Course Code: C24MIC113T **External Marks : 35**
30 Hrs (2 Hrs/Week) **Internal Marks : 15**
Credit: 2 **Total Marks: 50**
Exam Time: 2 Hrs

Note: *The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.*

Objectives: *Space planning is the process of analyzing how space in structures and rooms will be used. Good space planning considers possible space uses and ensures that they're used efficiently. The process results in a space plan, a drawing that identifies the needs and required elements of spaces.*

Unit - I

Importance of housing, Housing terms, Significance of house, Functions of House, Housing values, Types of Houses.

Family and changing Housing needs, family stage and Housing Demand, Characteristics of Rural and Urban Housing.
Housing choice- ownership versus renting

Unit - II

Selection of site for house construction

Principles of Planning- Aspect, Privacy, Grouping, roominess, Flexibility, Circulation, sanitation, Furniture need, Prospect, economy, Elegance,

Classification and selection of building materials: Building components such as Stones, Bricks, Blocks, Concrete, etc.; Roofing components; Binders: Cement, Lime, Polymer, etc; Waterproofing materials; Paints.

Books Suggested:

1. N. Kumara Swamy & A. Kameswara Rao (2019), Building Planning and Drawing, Charotar Publishing House Pvt. Ltd.
2. Brinda Singh (2020), Grah prabandh Evam aantrik sajja (Home Management & Interior Decoration), Panchsheel Prakashan.
3. Bhargava B. (2007), Principles of art, University Book House Pvt. Ltd.
4. Goldstein, H.and Goldstein,V (1967): Art in Everyday life; New Delhi: Oxford and IBH publishing company .
5. Lawrence M, (1987), Interior Decoration, New Jersey: Chartwell Books.

6. Adler, David.(2004), Metric Hand Book planning & Design, Architectural press.
7. Kumar, Sushil (2008), Building Construction, Standard publisher.

Course Outcome:

At the end of the course the students would be able to:

CO1 To learn the relationships that characterizes art and design practice in building a house.

CO2 To enable the students to explore theories and modern methods of interior space planning and management.

CO3 To encourage learning of traditional and contemporary housing materials, technical processes and methods of modern construction.

CO4 To impart knowledge and skills for making different floor plans for different income groups.

Mapping of CO with PO

Outcomes	**PO1**	**PO2**	**PO3**
CO1	S	M	S
CO2	W	S	M
CO3	S	M	S
CO4	M	S	W

S= Strong M=Medium W=Weak

English

English Language and Communication Skills: Level I (Semester I/II)

Ability Enhancement Course (AEC)

Course Code: C24AEC101T

30 Hrs. (2 hrs. /week) **External Marks: 35**

Credits: 2 **Internal Marks: 15**

Exam Time: 2 Hrs. **Total Marks: 50**

Note: The examiner will set 3 questions in all. The Q. 1 will be compulsory consisting of five short questions of 3 marks each (which can be further subdivided into 2-3 parts), covering the entire syllabus. Q.2 will have two parts of 5 marks each (each part with an internal choice) based on Unit I. Q.3 will also have two parts of 5 marks each based on Unit II. Q.3(a) will be an internal choice question of 5 marks based on Unit II (1), and Q.3(b) will have 7 items of one mark each from Unit II (2), and the students will have to attempt any five.

Course Objectives:

1. The students will learn various types of verbal and non-verbal communication.
2. They will understand the importance of interpersonal communication on workplaces and different ways of behaviour and communication.
3. To enable the students to effectively communicate their ideas and perspectives in various real-life situations.

UNIT I

Theory and Types of Communication, Verbal and Non-Verbal Communication Workplace and Interpersonal Communication. Introducing Oneself, Introducing Others, Making Requests, Offering Help, Congratulating, Making Enquiries and Seeking Permission.

UNIT II

Importance of Listening Skills and their types, Barriers to Effective Listening and how to overcome them, note-taking, Techniques to capture the main ideas Parts of Speech

Suggested Readings:

- Balasubramian, T. A Textbook of Phonetics for Indian Students, Macmillan.
- Hancock, Mark. English Pronunciation in Use, Elementary/Intermediatess, CUP.
- Hargie, Owen. The Handbook of Communication Skills, Routledge. 2006
- Inthira, S.R. and V. Saraswathi. Enrich Your English, Oxford UP.
- Kumar, Sanjay & Pushp Lata. Communication Skills, OUP 2023
- Mishra, Veerendra. English Language Skills: A Practical Approach, et al., CUP

- Sen, Sanghita. Communication and Language Skills, et al., CUP
- Singh, K.K. Practical English, APH Publishing Corporation.
- Shahnaaz, Tasneem, et al. English and Communication Skills I, CUP.

Course Outcomes:

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

CO1 Understand the nuances of correct pronunciation and grammar.

CO2 Refine their LSRW Skills in English and gain better fluency.

CO3 Enhance their communication in English and gain confidence.

Computer Science
Office Tools (Semester-I/II)
Skill Enhancement Course (SEC)

Paper Code: C24SEC103T
30 Hrs. (2 Hrs /Week) **External Marks: 36**
Credits: 2 **Internal Marks: 14**
Exam. Time: 2 Hrs **Total Marks: 50**

Note: The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to this, four more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit. The student/candidate is required to attempt three questions in all selecting one from each unit in consisting of 10 marks in addition to the compulsory Question No.1.

About the Course: To impart the basic knowledge about the software and hardware. The student will learn about the basics of operating systems and spreadsheets.

Unit I

Operating System - Definition, Functions, Types of Operating System, Basics of Popular Operating Systems, The User Interface, Exploring Computer, Icons, taskbar, desktop, Using Menu and Menuselection, managing files and folders, Control panel - display properties, add/remove software and hardware, Common utilities.

Basic Word Processing - Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing.

Unit II

Advanced Word Processing: Views, Tables, modifying page setup, applying document themes, applying document style sets, Inserting headers and footers

Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts, Sort and Filter Data. Creating Presentation: Type of presentation views. Using sound, Animation, Working with Objects, Printing.

Text books and references:

1. Help files from Apache Open Office, https://wiki.openoffice.org/wiki/Documentation
2. Channelle Andy, "Beginning OpenOffice 3: From Novice to Professional", a Press Publications
3. Beginning OpenOffice 3: From Novice to Professional, Andichannele, Apress.
4. Microsoft Office 2016 Step by Step: MS Office 2016 Step by Step, By Joan Lambert.
5. Curtis Frye
6. Computer Fundamentals - By Pradeep K. Sinha, Priti Sinha, BPB Publications, 6th Edition
7. Getting Started with Libre Office, Friends of Open Documents Inc.,
8. https://www.freetechbooks.com/friends-of-opendocument-inc-p1851.html
9. Documentation from LibreOffice, https://documentation.libreoffice.org/en/englishdocumentation

Course Outcome

At the end of the course a student is able to:
***CO1: Recall** classification of operating system.*
***CO2: Define** basic functions of operating systems and word processing.*

CO3: ***<u>Apply</u>*** *editing and formatting in a document.*
CO4: ***<u>Compare</u>*** *working of word processor and spread-sheets.*
CO5: ***<u>Evaluate</u>*** *the spread-sheets using built-in functions.*

Office Tools Lab
(Semester-I/II)

Paper Code: C24SEC103P **External Marks : 15**
30 Hrs (2 Hrs /Week) **Internal Marks : 10**
Credits: 1 **Total Marks: 25**
Exam. Time: 3 Hrs

The following activities to be carried out/discuss in the Lab during the practical.

Operating System:

•Starting with basics of Operating Systems and its functionalities Word Processing:

•Create and format word documents.
•Use tables, word Art and other features in your documents.
•Use macros to simplify the tasks in a document.
•Use mail merge to write once for many. Spread Sheet:
•Use spreadsheet for basic data handling
•Apply formulas to sheet for automation.
•Use Charts & Shapes for better visualization of the data.
•Use sorting and filtering of the data Presentation Software:
•Prepare and format presentations.
•Apply slide transitions, animations and sequencing for slides.
•Apply different formatting and insert options to make presentation better.
•Appling sound and animation.

Note: In addition to above experiments, the teacher concerned may add more experiments based on theory syllabus Course Outcome

At the end of the course a student is able to:

CO1: Basic working and functions of operating system.
CO2: Effective use of formatting skills on paragraphs, tables, lists, and pages.
CO3: Demonstrate the mechanics and uses of Word tables to organize and present data.
CO4: To evaluate accounting operations.
CO5: Utility of functions and formulas on excel spreadsheet.
CO6: Manipulate data using data names and ranges, filters and sort, and validation lists.

Mapping of COs with POs: (C24SEC103P)

Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1								
CO2								
CO3								
CO4								
CO5								
CO6								

S=Strong, M=Medium, W=Weak

Value Added Course (VAC)
Environmental Studies-I

Course Code: 24VAC0101T **Maximum Marks: 50**
Credit: 2 **Internal Marks: 15**
Time: 2 Hours **ExternaMarks: 35**

Note: The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus having 3 marks each. In addition to this, four more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt three questions in all selecting one question from each unit consisting of 10 marks each including compulsory Question No. 1.

Course Outcomes (CO): After completing this course, the learner will be able to:

CO1. Understand the concept of environmental studies, and ecosystem.

CO2. Learn about the biodiversity and its conservation.

CO3. Know about the types of pollution, solid waste management.

Unit-I

The multidisciplinary nature of environmental studies, Definition, scope and importance, Need for public awareness. Ecosystems: Structure and function. Producers, consumers and decomposers. Energy flow in the ecosystem, Ecological succession · Food chains, food webs and ecological pyramids.

Unit-II

Biodiversity and its conservation: Introduction –Biogeographical classification of India; Value of biodiversity: India as a mega-diversity nation; Hot-spots of biodiversity; Threats to biodiversity: Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Suggested Readings:

1. Kaushik, A & Kaushik, C.P. 2022. Perspectives in Environmental Studies. New Age International Pvt Ltd, New Delhi.
2. Bharucha, E. 2021. A Textbook of Environmental Studies for Undergraduate Courses, Orient Blackswan Pvt Ltd.
3. Goswami, P., Mandal, J. & Singh, S. 2022. A Textbook on Environmental Studies, Ashok book stall, Assam.
4. Joshi, P.C. & Joshi, N. 2009. A Text Book of Environmental Science. APH Publishing Corporation.
5. Basu, M. & Xavier Savarimuthu, S.J. 2017. Fundamentals of Environmental Studies. Cambridge University Press.
6. Singh, R.P. & Islam, Z. 2012. Environmental Studies. Concept Publishing Company.

Defence Studies
Introduction to Military History (Semester I)

Multi-Disciplinary Course (MDC)

Course Code: C24MDC108T **External Marks:50 45**
Hrs. (3 Hrs./Week) **Internal Marks: 25**
Credit: 3 **Total Marks:75 Exam**
Time: 2.5 Hrs.

The time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. First question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: The course study helps the applicants to pick up adequate Military education in its historical as well as Geographical context. As the student gains awareness on war and its related issues, they can assist government in strategic policy development (to tackle those problems).

Unit-I

Military History of Ancient India; Warrior System in Ancient India; Armies in Ancient Age; Military Ethos

Unit-II

Military History of Medieval India; Maurya and Gupta Armies; Establishment of the Delhi Sultanate; Military System of the Mughals

Unit-III

Military History of the Colonial Era; Colonial Era and the Indian Sepoy; Battles Fought in the Colonial Era
Revolt of 1857 and Reforms in the Indian Army

Indian Army in World War I & II
Illustrate the contribution of Indian troops in World War I and World War II
Recognize the sacrifices of Indian Army Victoria cross winners in World War II

Books Suggested:

1. Dikshitar, Ramachandra V. R. (1999) War in Ancient India. Cosmo, New Delhi.
2. Roy, Kaushik, (2004) From Hydrases to Kargil: A History of Warfare in India from 326BC to AD 1999. Manohar, New Delhi.
3. Roy, Kaushik (2011), War, Culture and Society in Early Modern South Asia, 17401849, Routledge.
4. Roy, Kaushik Ed., (2011) The Indian Army in the Two World Wars. Brill.
5. Singh, Sarva Daman (1997) Ancient Indian Warfare: With Special Reference to the Vedic Period. Motilal Banarsidas, New Delhi.

Course Outcome:

At the end of the course the students would be able to:

CO1 Understand the military history of Ancient India.
CO2 Understand the military history of Medieval India.
CO3 Understand the military history of British India.

CO4 Understand the role of Indian Army in World War I and II.

Mapping of CO with PO

Outcomes	**PO1**	**PO2**	**PO3**
CO1			
CO2	W		
CO3	S	S	W
CO4			

S= Strong M=Medium W=Weak

Mass Communication
Idea Generation and Creativity (Semester I)
Multi-Disciplinary Course (MDC)

Course Code: C24MDC133T **External Marks: 50**
45 Hrs (3 Hrs/Week) **Internal Marks: 25**
Credit: 3 **Total Marks: 75**
Exam Time: 2.5 Hrs

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *To understand the concept of idea generation. To gain knowledge about creativity. To develop the knowledge of various creative practices.*

1.1 Idea generation for writing
1.2 Inspiration and Imagination in writing
1.3 Writing styles for different Write-ups **Unit I**
1.4 Style Elements in Writing: Symbolism, Imagery, Metaphor etc.

2.1 Creativity: an Introduction
2.2 Conceptual development
2.3 Context (Plot) Development and narrative structure **Unit II**
2.4 Creative Expression and Factual Accuracy

3.1 Poetry and its unique characteristics
3.2 Poetic forms: rhymed, free verse, haiku
3.3 Rhythm and meter in poem **Unit III**
3.4 Creativity in Mass Media

Suggested Readings

1. Basic Media Writing by Melvin Mencher
2. Writing for the Mass Media (8th Edition) by James Glen Stovall
3. Writing for Digital Media by Brian Carroll: Taylor & Francis
4. Writing for Visual Media by Anthony Friedmann: Taylor & Francis

Course Outcomes

CO1 Students would be able to understand the concept of idea generation.
CO2 Students would be able to gain knowledge about creativity.
CO3 Students would be able to gain knowledge about creative writing.
CO4 Students would be able to develop the knowledge of various aspects of creativity.

Mapping of CO with PO

Outcomes	**PO**	**PO**	**PO**

	1	2	3
CO1	S	M	M
CO2	M	S	S
CO3	S	M	M
CO4	M	M	M

S= Strong M=Medium W=Weak

Semester II

English
Semester II

Introduction to Essay and Basic Composition (Semester)
Discipline Specific Course (DSC)

Course Code: C24ENG201T/C24MIN207T

60 Hrs (4 Hrs. /week) **External Marks: 70**

Credits: 4 (3 Lectures +1 Tutorial) **Internal Marks: 30**

Exam Time: 3 Hrs. **Total Marks: 100**

Note: The examiner will set 5 questions in all. The Q.1 will be compulsory consisting of **seven** short questions of 2 marks each, covering the entire syllabus. Q.2 will have **two** parts of 7 marks each based on Unit I. Q2(a) will be an internal choice question on explanation with reference to the context, and Q2(b) will consist of three questions (word limit 70-80) and the students will have to attempt any **two**. Q.3 will consist of **three** essay type questions of 7 marks each based on Unit II, and the students will have to attempt any **two**. Q. 4 will have two parts of 7 marks each based on Unit III. Q.5 will have two parts based on the corresponding two parts of Unit IV. In part one, i.e. 5(a), there will be 9 items of one mark each, and the students will be required to attempt any seven. In part two, i.e. 5(b), there will be four literary terms, and the students will have to attempt any two of 3.5 marks each.

Course Objectives:

The Course aims-

1. To make students understand and appreciate various forms of prose.
2. To help the students learn and use various topics of composition.
3. To enable them to comprehend and appreciate various literary terms.

Unit-I

1. Francis Bacon: “Of Studies”
2. Charles Lamb: “Dream Children: A Reverie”
3. E. M. Forster: “Tolerance”
4. Louis Fischer: “Gandhi and the Western World”
5. Nirad C. Chaudhuri: “Public Transport in London and Delhi"

Unit-II

1. Joseph Addison: “Female Orators”
2. R.K. Narayan: “My Educational Outlook”
3. C. V. Raman: “Water: The Elixir of Life”
4. A.P.J. Abdul Kalam: “Great Books Born out of Great Minds”
5. S. Radhakrishnan: “The Gandhian Outlook” **Unit-III**

1. Application Writing and Letter Writing (Formal and Informal Letters)
2. E-mail Writing, Resume Writing
3. Developing a story based on specific prompt or idea **Unit-IV**

1. **Grammar-** Non-Finite verbs and Clauses

2. **Literary Terms-** Analogy, Allusion, Ambiguity, Caricature, Conflict, Dramatic Irony, Foreshadowing, Motif, Paradox, Point of View **Suggested Books:**

- Abrams, M.H., and Geoffrey Galt Harpham. *A Glossary of Literary Terms*.12th ed., Cengage Learning.
- Wolfreys, Julian, edited. *The English Literature Companion*, Palgrave Macmillan, 2011.
- Wren, P.C., and H. Martin. *High School English Grammar and Composition*. S. Chand & Co Ltd, 2019.

Course Outcomes:

After the successful completion of the course-

CO1 The students will be able to comprehend various literary terms and their usage.

CO2 They will be able to enrich their knowledge of different prose styles.

CO3 They will be able to write paragraphs, essays, letters, and précis.

CO4 They will be able to refine their reading and writing skill in English.

Mapping of CO with PO

Outcomes	**PO1**	**PO2**	**PO3**	**PO4**
CO1	S	M	M	S
CO2	S	M	S	S
CO3	M	M	S	S
CO4	M	M	S	S

S= Strong M=Medium W=Weak

Hindi

हिन्दी साहित्य-2 (द्वितीय सेमेस्टर)

Discipline Specific Course (DSC)

Course Code: C24HIN201T
60 Hrs (4 Hrs/Week)
Credit : 4
Exam Time: 3 Hrs

External Marks : 70
Internal Marks : 30
Total Marks: 100

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

पाठ्यक्रम का उद्देश्य (Course Objectives) :

1- हिन्दी भाषा का आरम्भिक ज्ञान प्रदान करना।

2- भारतीय भाषाओं और हिन्दी की उपभाषाओं से परिचित करवाना।

कार्यक्रम प्रतिफल (Program Outcomes) :

1- भारतीय भाषाओं के उद्‌भव और विकास की जानकारी प्राप्त होगी।

2- हिन्दी भाषा और उसकी उपभाषाओं से परिचित होंगे।

3- हिन्दी की व्याकरणिक संरचनाओं की जानकारी प्राप्त होगी।

4- हिन्दी भाषा के विविध रूपों का ज्ञान होगा।

विषय वस्तु :

इकाई-1

आधुनिक भारतीय भाषाओं का उद्‌भव और विकास

हिन्दी भाषा का परिचय और विकास

हिन्दी की उपभाषाएँ

हिन्दी की प्रमुख बोलियों का परिचय

इकाई-2

भाषा और बोली में अंतर्संबंध

ब्रज और अवधी का सामान्य परिचय और विशेषताएँ

खड़ी बोली का सामान्य परिचय और विशेषताएँ

खड़ी बोली हिन्दी के विकास में भारतेन्दु और आचार्य महावीर प्रसाद द्विवेदी का योगदान

इकाई-3

हिन्दी की शब्द-संरचना

पद रचना – संज्ञा, सर्वनाम, विशेषण और क्रिया विशेषण के संदर्भ में

वाक्य की अवधारणा और वाक्य के प्रकार

देवनागरी लिपि और मानकीकरण

इकाई-4

हिन्दी भाषा के विविध रूप – सम्पर्क भाषा, संचार भाषा और राजभाषा, राष्ट्रभाषा, मातृभाषा

हिन्दी का अन्तर्राष्ट्रीय स्वरूप

हिन्दी की पारिभाषिक शब्दावली – निर्माण प्रक्रिया, हिन्दी की संवैधानिक स्थिति

सहायक पुस्तकें :

1- हिन्दी भाषा का विकास – देवेन्द्रनाथ शर्मा एवं रामदेव त्रिपाठी

2- हिन्दी भाषा – भोलानाथ तिवारी

3- हिन्दी शब्दानुशासन – किशोरीदास वाजपेयी

4- मानक हिन्दी का संरचनात्मक भाषा विज्ञान – ओमप्रकाश भारद्वाज

5- हिन्दी भाषा : उद्‌भव और विकास – उदयनारायण तिवारी

Mapping of CO with PO:

	PO1	PO2	PO3	PO4
CO1	S	M	S	S
CO2	S	M	S	S

S= strong M= medium W= weak

Sanskrit Elective

श्रीमद्भगवद्गीता, स्वस्थवृत्तम् एवं छन्दशास्त्रम् च**(Semester II)**

Discipline Specific Course (DSC)

Course Code: C24SAE201T **External Marks : 70**

60 Hrs. (4 Hrs./Week) Internal Marks : 30 Credit : 4 **Total Marks: 100**

Exam Time: 3 Hrs.

परीक्षा संबंधी निर्देश

प्रश्नपत्र हल करने की अधिकतम समय-सीमा 3 घंटे होगी। परीक्षक को कुल नौ प्रश्न निर्धारित करने होंगे। प्रथम प्रश्न अनिवार्य होगा, जिसमें पूरे पाठ्यक्रम को समाहित करते हुए सात लघु-उत्तरीय प्रश्न होंगे और प्रत्येक प्रश्न 2 अंक का होगा। इसके अतिरिक्त प्रत्येक इकाई से दो-दो प्रश्न निर्धारित किए जाएँगे। विद्यार्थियों को अनिवार्य प्रश्न संख्या 1 के अतिरिक्त प्रत्येक इकाई से एक-एक प्रश्न चुनकर कुल पाँच प्रश्न हल करने होंगे। सभी प्रश्न समान अंक के होंगे।

उद्देश्य

गीता और उपनिषदों के माध्यम से छात्रों में अपनी अनुभूति एवं भावनात्मक तंत्र का प्रबंधन करने का सामर्थ्य विकसित करने का प्रयास किया जाएगा। इससे भ्रम, मन का द्वंद्व तथा व्यक्तित्व का विकास होगा। आधुनिकता के प्रभाव में आकर हर व्यक्ति की दिनचर्या परिवर्तित हो चुकी है, जिसके परिणामस्वरूप विविध रोगों का जन्म हो रहा है। इसे नियंत्रित करने के लिए आयुर्वेद के माध्यम से विद्यार्थियों को दिनचर्या सुधारने में सहायता दी जाएगी, जिससे वे अपने परिवार एवं समाज के सदस्यों को भी प्रोत्साहित कर पाएँगे।

इकाई–**I**

- श्रीमद्भगवद्गीता — द्वितीय अध्याय।
- (क) दो श्लोकों का सरलार्थ।
- (ख) एक आलोचनात्मक प्रश्न।

इकाई–**II**

- चरकसंहिता — स्वस्थवृत्तम्।
- सूत्रस्थान 5/71–104, 7/26–35, 8/17–29।
- (क) दो पंक्तियों की व्याख्या।
- (ख) एक निबंधात्मक प्रश्न।

इकाई–**III**

- संस्कृत व्याकरण।
- शब्दरूप: मति, नदी, धेनु, मातृ, फल, युष्मद्, सर्व, एतद्, द्वि, त्रि — सर्व से लेकर त्रि तक तीनों लिंगों में।
- धातुरूप: पठ्, नृत्, प्रच्छ्, रुच्, जन्, भज्, पच्, लभ्, सेव् — केवल लट्, लोट्, लङ्, विधिलिङ् तथा लृट् लकारों में। वच् — केवल लट्, लोट्, लङ्, विधिलिङ् तथा लृट् लकारों में।

इकाई–**IV**

- छन्द।
- अनुष्टुप्, आयाम, इन्द्रवज्रा, उपेन्द्रवज्रा, वंशस्थ, शिखरिणी, मन्दाक्रान्ता, वसन्ततिलका तथा शार्दूलविक्रीडित।
- हिंदी से संस्कृत में अनुवाद।

सुझाई गई पुस्तकें

- चरकसंहिता, व्याख्याकार आचार्य विद्याधर शुक्ल, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।
- श्रीमद्भगवद्गीता, गीताप्रेस, गोरखपुर।
- रचनानुवाद कौमुदी, कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी।
- रूपचन्द्रिका, ब्रह्मानन्द त्रिपाठी, चौखम्बा सुरभारती प्रकाशन, दिल्ली।

पाठ्यक्रम के प्रतिफल **(Course Outcomes)**

CO1: श्रीमद्भगवद्गीता भारतीय संस्कृति तथा ज्ञान का उत्कर्ष-ग्रंथ है, जो कर्म एवं ज्ञान के महत्व से अवगत कराता है। इस विषय में गीता का द्वितीय अध्याय, जो सांख्ययोग के नाम से प्रसिद्ध है, निर्धारित किया गया है।

CO2: इस घटक में चरकसंहिता से संबंधित मुख्य आयुर्वेदिक विषय लिया गया है, जो मनुष्य के दैनिक जीवन में अत्यंत महत्वपूर्ण भूमिका निभाने वाली दिनचर्या से संबंधित है। यह स्वस्थ जीवन के लिए आवश्यक है, जिससे विद्यार्थी अपने जीवन को सही दिशा देकर दूसरों को भी प्रेरित कर पाएँ।

CO3: संस्कृत भाषा में शब्दरूप एवं धातुरूप प्राणभूत हैं। इनके बिना वाक्य-निर्माण संभव नहीं है। इसलिए सामान्य रूप से अनुवाद का बोध कराने तथा भाषा की सरल और प्रारंभिक रूपरेखा को समझने के लिए इस घटक का होना आवश्यक है।

CO4: संस्कृत साहित्य में श्लोक-रचना करने के लिए छन्दों का ज्ञान अत्यंत आवश्यक है। छन्द के बिना पद्य-काव्य लिखना असंभव है। अतः इस घटक के अंतर्गत छात्रों को प्रारंभिक छन्दों का ज्ञान दिया जाता है।

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	M
CO2	M	S	S
CO3	W	M	S
CO4	S	W	M

S= Strong M=Medium W=Weak

Political Science
Principles of Political Science - II (Semester II)
Discipline Specific Course (DSC)

Course Code:C24POL201T **External Marks :70 75**
Hrs (4 Hrs/Week) **Internal Marks : 30**
Credit : 4 **Total Marks: 100**
Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *The objectives of the course are to identify the key theoretical approaches and methods used in comparative politics in the hope that students apply these comparative approaches to one, two, or more countries*

Unit – I

Theory and Practice of Government: Legislature, Executive and Judiciary; Separation of Powers and Rule of Law

Unit – II

Forms of Government: Unitary and Federal; Parliamentary and Presidential

Unit - III

Operational Dynamics of Political System: Political Parties, Pressure Groups, Representation and Bureaucracy

Unit – IV

Political Regimes Democracy Totalitarianism, Military Rule and Monarchy

Books Suggested:

1. Kapur, A.C. (2017). Principles of Political Science. S. Chand Publishing.
2. Ball, T., Dagger, R., & O'Neill, B. (2020). Political Ideologies and The Democratic Ideal. Pearson.
3. Beetham, D. (2013). The Legitimation of Power. Palgrave Macmillan.
4. Beetham, D., & Boyle, K. (2019). Introducing Democracy: 80 Questions and Answers. Polity Press.
5. Bidyut Chakrabarty. (2019). Indian Politics. Pearson.
6. Copley, A. (2018). Essentials of Political Science. Oxford University Press.
7. Easton, D. (2013). The Political System:An Inquiry into the State of Political Science. University of Chicago Press.
8. Garner, R., Ferdinand, P., Lawson, S., & Wilkinson, A. (2016). Introduction to Politics. Oxford University Press.
9. Heywood, A. (2013). Political Ideologies: An Introduction. Palgrave Macmillan.
10. Heywood, A. (2013). Politics. Palgrave Macmillan.
11. Heywood, A. (2017). Political Theory: An Introduction (5th Ed.). Palgrave Macmillan.
12. Heywood, A. (2019). Politics (5th Ed.). Palgrave Macmillan. Hoffman, J. (2005). Sovereignty. In W. Carlsnaes, T. Risse, & B. A. Simmons (Eds.), Handbook of International Relations (Pp. 70-88). SAGE Publications.
13. Kelsen, H. (2000). The Essence and Value Of Democracy. Rowman & Littlefield.
14. M.P. Jain. (2021). Political Theory: An Introduction. Lexis Nexis.
15. M.V. Pylee. (2018). Political Theory: Ideas and Concepts. SAGE Publications India.
16. Mill, J. S. (2002). On Liberty. Dover Publications.

Course Outcome:

At the end of the course the students would be able to:

CO1 Develop a thorough understanding of the theory and practice of government, separation of powers and rule of law.

CO2 Understand the various forms of government in a political system.

CO3 Understand the nature and operation of political parties, pressure groups, representation and bureaucracy. CO4 Comprehend the functioning of monarchy, totalitarianism, military rule and democratic political regimes

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	W	M
CO2	S	S	S
CO3	W	S	M
CO4	S	W	M

S= Strong M=Medium W=Weak

Public Administration
Basics of Public Administration (Semester II)
Discipline Specific Course (DSC)

Course Code: C24PUB201T **ExternalMarks : 70**
60 Hrs. (4 Hrs./Week) **Internal Marks : 30**
Credit : 4 **Total Marks: 100**
Exam Time: 3 Hrs.

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *This course intends to familiarize students with the basic concepts of Public Administration and Governance. It also aims to acquaint students with the contemporary discourse, approaches, issues and concerns along with changing dynamics of public administration.*

Unit – I Classical Theories

Scientific Management (F.W.Taylor)
Administrative Management (Henri Fayol & Luther Gullick)
Ideal-Type Bureaucracy (Max Weber)

Unit – II Neo-Classical & Motivational Theories

Human Relations Theory (Elton Mayo)
Rational Decision-Making (Herbert Simon) Maslow's Hierarchy of Needs

(Abraham Maslow)
Two-Factor Theory (Frederick Herzberg)

Unit - III Contemporary Theories

Ecological Approach
Innovation and Entrepreneurship
Models of Decision-Making

Unit – IV Emerging Perspectives – II

Feminist Perspective
New Public Management (NPM) & New Public Service (NPS) Public Policy: Concept & Approaches

Books Suggested:

1. Avashti and Maheshwari. 2017. Lok Prashashan. Lakshimi Narain Agarwal Educational Publishers: New Delhi 2. B.L. Fadia. *Lok Prashashan*
3. Bhattacharya, M. 2008. *New Horizons of Public Administration*. 5th Edition. New Delhi: Jawahar Publishers, pp. 37-44.
4. Bhattacharya, M. 2012. *Public Administration: Issues and Perspective.* New Delhi: Jawahar Publishers
5. Bhambhari, C.P..*Lok Prashashan*
6. Chakrabarty, Bidyut and Chand, Prakash. 2012. *Public Administration in a Globalizing World: Theories and Practices*. Sage: New Delhi.
7. Fedrickenson, G. *et. Al*. 2015. *The Public Administration Theory Primer*. 3rd Edition. Westview Press
8. Flippo, E. 2008. *Principles of Personnel Management*. 4th Edition. Kogakusha: McGraw Hill.
9. Government of India. 2010. *2nd Administrative Reforms Commission*. 10th Report: Refurbishing of Personnel Administration – Scaling New Heights. New Delhi: Manager of Publications.
10. Mary Jo Hatch and Ann L. Cunliffe. 2006. *Organisation Theory: Modern, Symbolic and Postmodern Perspectives*. Oxford University Press
11. Howlett, M. and Ramesh, M. 2009. *Studying Public Policy: Policy Cycles and*

Policy Subsystem. OUP

12. R.V. Vaidyanatha Ayyar. 2009. *Public Policy Making in India.* Pearson.
13. Rosenbloom, D., R. Kravchuk and R. Clerkin. 2009. *Public Administration: Understanding Management, Politics and Law in Public Sector.* 7th edition. New Delhi: McGraw Hill, pp. 1-40
14. Shafritz, J. & Hyde, A. (eds.). 2008 *Classics of Public Administration*, 6th Edition, Belmont: Wadsworth Publishing. 15. Shafritz, J. & Hyde, A. (eds.). 2010.

Classics of Organisation Theory, 7th Edition, Cengage Learning

16. Silverman, D. (2008). The Theory of Organisations. London: Heinemann.
17. Thavaraj, M.J.K. 2001. *Financial Administration in India.* 6th edition. Delhi, Sultan Chand
18. Wren, D.A. (2009). *The Evolution of Management Thought*. New York: Ronald.

Course Outcome:

At the end of the course the students would be able to:

CO1 To impart knowledge about the concepts of administrative thought

CO2 To generate awareness about emerging issues in public administration

CO3 To develop theoretical clarity of contemporary concepts and dynamics relating to public organizations

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	M	S
CO2	M	S	S
CO3	W	W	W

S= Strong M=Medium W=Weak

History

History of India (From Earliest Times to 1206) (Semester II)

Discipline Specific Course (DSC)

Course Code: C24HIS201T **External Marks : 70**

60Hrs (4 Hrs/Week) **Internal Marks : 30**

Credit : 3 (3Theory+1Tutorial) **TotalMarks:100**

Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: *The ancient education focused on imparting ethics like humility, truthfulness, discipline, self-reliance, and respecting all creations to the students. The education was mostly imparted in ashrams, gurukuls, temples, houses. Sometimes pujaris of the temples used to teach students.*

Unit – I

Sources of Ancient Indian History

Harappan Civilization: Origin, Extent, Urbanization, Society, Economy and Decline

Mahajanapada: Rise of Magdha Empire

Religious Movements: Buddhism and Jainism

Vedic Age: Religion, Polity, Society and Economy

Unit – II

Mauryan Empire: Chandragupta Maurya and Ashoka Post-Mauryan State: Kushanas Gupta Empire: Conquests of Samudragupta and Chandragupta II; Administration of Guptas Post-Gupta Period: Pushpabhuties

Unit - III

Triangular Struggle for Hegemony of Kannauj:
Polity and Administration of Cholas
Rise of Rajputs with Special Reference to Tomars
Mahmood Ghaznavi and Muhammad Ghori: Conflicts with Indian States and Impact

Unit - IV

Maps (India):

Important Sites of Harappan Civilization

Expansion of Ashoka's Empire

Expansion of Kanishka's Empire

Expansion of Harsha's Empire

Books Suggested:

Allchin, B. and Allchin R. Origins of a Civilization: The Pre-history and Early Archaeology of South Asia, Viking, New Delhi, 1997.

Basham, A. L. The Wonder that was India, Rupa Publications, Bombay, 1971.

Bhandarkar, D. R. Some Aspects of Ancient Hindu Polity, Benares, 1929.

Bogucki, P. The Origin of Human Society, Wiley-Blackwell, Massachusetts, 1999.

Burton, Stein History of India, OUP, New Delhi, 1998.

Carr, E. H. Itihas Kya Hai, Macmillan Publication, New Delhi 1976.

Chandra Satish Medieval India: From the Sultanate to the Mughals, Delhi 1997.

---------- *History of Medieval India, Orient Blackman, Reprint Hyderabad, 2018*

---------- *Madhyakalin Bharat: Rajniti Samaj and Sanskirti, Delhi, 2007.*

Dinkar, Ramdhari Singh Sanskriti Ke Char Adhyaya, Sahitya Academy, 1956.

Farukhi, A. Prachin Evam Madhyakalin Samajik Sanrachanaye aur Sanskritiya, Manak Prakashan, Delhi, 2015.

Habib, Irfan, The Indus Civilization, Tulika, New Delhi, 2002.

Jayasval, K. P., Hindu Polity, Calcutta, 1924.

Jha, D. N. and Prachin Bharat Ka Itihas, New Delhi, 1990. Kosambi, D. D.

Shrimali, K. M. Prachin Bhartiya Sabhyata Evam Sanskriti, Rajkamal, New Delhi.

Lahri, Nayanjot, ed. The Decline and Fall of the Indus Civilization, Permanent Black, New Delhi, 2000.

Majumdar, History and Culture of the Indian People, V Vols., Bhartiya

R. C. 1980. Vidhya Bhavan Series, Bombay, 1970, 1979,

Sharma, R. S. India's Ancient Past, OUP, New Delhi, 2007.

---------- *Looking for the Aryans, Orient Longman Publishers, Delhi, 1995.*
---------- *Aspects of Political Ideas and Institution in Ancient India, Motilal Banarsidas, New Delhi, 1991.*
Rao, N. S. Subba 1911. *Lectures on the Economic Condition of Ancient India, Being an Analytical Study of the Jatakas, Mysore,*
Thapar, Romila The Past Before Us: Historical Traditions of Early India, Permanent Black, Part – I, Delhi, 2013.
---------- *A History of Ancient India, Vol. IPenguin India, New Delhi, 2000.*
Tripathi, Ramashankar History of Ancient India, Motilal Banarsidas Publishers Pvt. Ltd., New Delhi, 2006.

Course Outcome:

At the end of the course the students would be able to:

CO1 Learn about the Sources for reconstructing the history of Ancient India and know the major historical developments from the origins of Harappan Civilization upto the rise of Magdha Empire in ancient India.

CO2 Understand the major historical developments pertaining to the rise of Mauryan Empire, Post-Mauryan states like Kushana and Satvahana, rise of Gupta Empire, and Post- Gupta Powers in ancient India.

CO3 Grasp the major historical developments pertaining to the Triangular Struggle for Hegemony of Kannauj among Palas, Pritiharas and Rashtrakutas; Polity and Administration of Cholas; Rise of Rajputs, and invasions of Mahmood Ghaznavi and Muhammad Ghori in India.

CO4 Demonstrate the sites of Harappan Civilization, extent of Ashoka's Empire, extent of Kanishka's Empire and extent of Harsha's Empire on the outline map of India and explicates it historically.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	M	W	M
CO2	S	S	S
CO3	W	S	M
CO4	S	W	M

S= Strong M=Medium W=Weak

Economics
Micro Economics-II (Semester II)
Discipline Specific Course (DSC)

Course Code: **ExternalMarks:70**
C24ECO201T **Internal Marks : 30**
60 Hrs. (4 Hrs./Week) **Total Marks: 100**
Credit : 4
(3Theory+1Tutorial)
Exam Time: 3 Hrs.

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Course Objective: To enable students in understanding the market forms and dynamics of price determinations for products as well as factors.

U N IT-I

Market Structures- Concepts, Perfect Competition: Characteristics and Assumptions, Price Determination Under Perfect Competition, Equilibrium of the firm in the short period and the long period.

U N IT-II

Monopoly: Characteristics, Equilibrium of the Monopoly Firm in Short period and long period Concept of Supply Curve under Monopoly, Price Discrimination

U N IT-III

Monopolistic Competition: Characteristics, Selling Costs, Product Differentiation, Short period and long period Equilibrium of the Firm Concept & Characteristic of Oligopoly.

U N IT-IV

Marginal Productivity Theory of Distribution, Ricardian Theory of Rent, Theories of Interest; Classical and Neoclassical Marginal Productivity Theory of Wages;

Suggested Readings:

1. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw-Hill.
2. Mankiw, N. (2007). Economics: Principles and applications, 4th ed. Cengage Learning.
3. A.Koutsoyiannis, Microeconomics, 2nd Edition.
4. Bernheim, B., Whinston, M. (2009). Microeconomics. Tata McGraw- Hill.

5. Snyder, C., Nicholson, W. (2010). Fundamentals of microeconomics. Cengage Learning.
6. Varian, H. (2010). Intermediate microeconomics: A modern approach, 8th ed. W. W. Norton.

Course Outcome:

At the end of the course, the students would be able to:

CO1 Understand the structure and forms of market
CO2 Derive the welfare implications of all forms of the market
CO3 Develop thinking about the business strategies in different market forms
CO4 Understand factor price determination in different forms of market

Mapping of CO with PO

Outcomes	PO1	PO2	PO3	PO4
CO1	S	M	S	S
CO2	S	M	S	M
CO3	S	M	M	S
CO4	S	M	M	M

S= Strong M=Medium W=Weak

Sociology

Society : Structure & Change (Semester II)

Discipline Specific Course (DSC)

Course Code: 24SOC201T **External Marks : 70**

60Hrs (4 Hrs/Week) **Internal Marks : 30**

Credit : 4 **Total Marks: 100**

Exam Time: 3 Hrs

Note: The maximum time duration for attempting the paper will be of 3 hours. The examiner is required to set nine questions in all. The first question will be compulsory consisting of seven short questions covering the entire syllabus consisting of 2 marks each. In addition to that eight more questions will be set, two questions from each unit. The students shall be required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks.

Objectives: In the social sciences, social structure is the aggregate of patterned social arrangements in society that are both emergent from and determinant of the actions of individuals. Likewise, society is believed to be grouped into structurally related groups or sets of roles, with different functions, meanings, or purposes. This course tries to make students interconnect sociological knowledge in their day to day life.

Unit – I

Societies: Types and Characteristics – Tribal, Rural, Urban, Industrial and Post Industrial

Unit – II

Social Control: Its Types and Means. Norms and Value

Unit - III

Processes of Social Change: Meaning and Characteristic Features of Industrialization, Secularization, Modernization, Globalization and their impact on society

Unit – IV

Social Startification: Concept and Basis; Forms- Caste, Class, Power, Gender

Books Suggested:

1. Bottomore,T.B. (1972) : Sociology : A Guide to Problems and Literature, Bombay : George Allen and Unwin (India)
2. Fulcher & Scott (2003: Sociology, New York: Oxford University Press.
3. Giddens, Anthony (2005) Sociology, Polity Press.
4. Gordon Marshall (1998) Oxford Dictionary Of Sociology, New York: press of Oxford University
5. Harlambos, M. (1998): Sociology: Themes and Perspective, New Delhi, Oxford University Press.
6. Inkeles, Alex (1987): What is Sociology ? New Delhi: Prentice – Hall Of India.
7. Tumin, M.M. (1994) : Social Stratification : The Forms and Function of Inequality, New Delhi ,PHI .
8. Maciver & Page (1974) : Society : An Introductory Analysis, New Delhi Macmillian & Co. Mandelbaum,

9. D.G. (1972) Society in India Bombay Parkshan. Singh Y. (91983) Modernisation of Indian Tradition. Jaipur, Rawat Publication. Sharma K.L. (1986) : Essays in Social stratification.

Course Outcome:

At the end of the course the students would be able to:

CO1 Learn about various types of society
CO2 Know about the types and means of social control
CO3 To understand the process of social change
CO4 Acquire insight about social stratification

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	S	M
CO2	S	S	S
CO3	S	S	M
CO4	S	M	M

S= Strong M=Medium W=Weak

Human Geography (Semester II)
Discipline Specific Course (DSC)

Course Code: C24GEO201T **External Marks :** 50
45 Hrs. (3 Hrs./Week) **Internal Marks :** 20
Credit : 3 **Total Marks:** 70
Exam Time: 2.5 Hrs.

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: To introduce the students with Concepts of Human-environment relationships, Population distribution and settlements.

Unit –I **15 Hrs**

Introduction: Definition, nature and scope of human geography; Historical perspective of human geography. Approaches to study human geography and contemporary relevance of human geography.

Unit- II **15 Hrs**

Concept of Human-environment relationship: A historical approach, Human adaptation to the environment (i) Eskimo (ii) Bushman (iii) Gujjar Bakarwals of Himalaya.
Space and society: cultural regions; race; tribes
Population: population growth and distribution; population composition; Malthusian theory of population growth

Unit –III **15 Hrs**

Population-resource relationships: population-resource regions.
Settlements: types of rural settlements; functional classification of urban settlements; trends and patterns of world urbanization.
Population pressure and resource use, environment and concept of sustainable development

Human Geography Lab

Course Code: C24GEO201P **Marks for External: 20**

30 Hrs (2 Hrs/Week) **Marks for Internal: 10**
Credit: 1 **Total Marks: 30**
Time: 2 Hours

Practical Record:

A project file consisting of 8 exercises on the below mentioned themes: -

1. Chart of major branches of Human Geography (1 exercise)
2. Chart of classification of resources (1 exercise)
3. Composition of major religions and language of the world (2exercises).
4. Flow diagram of migration streams of world population (1excercise).
5. Plotting of isodapane (2 exercises).
6. Spatial and temporal growth of world population (2 exercises).

Recommended Books:

1. Agarwal, A et al (1999) The Citizen's Fifth Citizen's Report, Centre for Science & Environment, New Delhi.
2. Alexander, John. W. (1988) Economic Geography, Prentice Hall of India Ltd., New Delhi.
3. Bergwan, Edward E. (1985) Human Geography: Culture Connections and Landscape, Prentice-Hall, New Jersey.
4. Carr, M. Patterns (1987) Process and Change in Human Geography, McMillan Education, London.
5. Carter, H. (1972) The study of Urban Geography, Edward Arnold, London.
6. Chandna, R.C. (2016) A Geography of Population: Concepts, Determinants and Patterns, Kalyani Publishers, New Delhi.
7. DeBlij, H. J. (1996) Human Geography, Culture, Society and Space, John Wiley, New York.
8. Fellman, J. L. (1997) Human Geography-Landscapes of Human Activities, Brown and Benchman Pub., USA.
9. Hassan, I. (2020) Population Geography: A Systematic Exposition, Routledge, London.
10. Hussain, M. (2018) Human Geography, Rawat, Publication, Jaipur.
11. McBride, P.J. (1996): Human Geography; Systems Patterns and Change, Nelson, UK andCanada.
12. Michael, C. (1996) New Patterns: Process and Change in Human Geography, Nelson.
13. Qazi, S.A. (2010) Population Geography, APH publishers.
14. Ramachandra, R. (1992) Urbanization and Urban System in India, Oxford, London.
15. Sharma, Y.K. (2017). Human Geography, Narain publishers.
16. Singh, N. (2015) A Text Book of Human Geography, Rajesh Publishing. International and Transnational Perspectives on Urban Systems. Tokyo, Japan: Springer pages 393

Course outcomes

At the end of the course, the students would be able to:

CO1. Gain knowledge about the fundamentals of human geography.

CO2. Enhance the knowledge of race and religion.

CO3 understand the organization of space.

CO4. Familiarize with world economic systems.

Mapping of CO with PO

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	M	S
CO2	S	S	M	M	M	S
CO3	S	S	M	M	M	S
CO4	M	M	M	M	M	M

S= strong M= medium W= weak

Mathematics

Calculus
Discipline Specific Course (DSC)

Paper Code: C24MAT201T

45 Hrs (3 Hrs /Week) **External Marks: 50**
Credits: 3 **Internal Marks: 20**
Exam. Time: 2.5 Hrs **Total Marks: 70**

Note: The examiner is required to set nine questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2 marks each. In addition to this, eight more questions (each question may be of at least 2 parts) will be set consisting of two questions from each unit.
The student/candidate is required to attempt five questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions will carry equal marks.

Objective: *This course will help the student to understand the basics of functions in one or two variables and their continuity, differentiability and also about the Integral Calculus.*

Unit - I

 _ definition of the limit of a function. Basic properties of limits, Continuous functions and classification of discontinuities. Differentiability. Successive differentiation. Leibnitz theorem. Maclaurin's and Taylor's series expansions.

Unit - II

Indeterminate forms. Limit and continuity of real valued functions of two variables. Partial differentiation. Total differentials, Partial derivatives of Composite functions & Implicit functions using change of variables.

Unit - III

Homogenous functions & Euler's theorem on homogeneous functions. Taylor's theorem for functions of two variables. Differentiability of real valued functions of two variables. Schwarz's and Young's theorem.

Unit - IV Maxima, minima and saddle points of functions of two variables. Lagrange's method of multipliers. Beta and Gamma Functions, Double and triple integrals.

Recommended Books:

1. Howard Anton, I. Bivens & Stephan Davis (2021). Calculus (12th edition). J. Wiley & Sons.
2. Gabriel Klambauer (1986). Aspects of Calculus (4th edition). Springer.
3. Gorakh Prasad (2016). Differential Calculus (19th edition). PothishalaPvt. Ltd.
4. George B. Thomas Jr., Joel Hass, Christopher Heil & Maurice D. Weir (2018). Thomas' Calculus (14th edition). Pearson Education.
5. Monty J. Strauss, Gerald L. Bradley & Karl J. Smith (2002). Calculus (3rd edition). Dorling Kindersley (India) Pvt. Ltd.
6. Murray R. Spiegel (2002). Theory and Problems of Advanced Calculus (2nd edition). Schaum's Outline Series. Schaum Publishing Co., New York.

Course Outcomes (COs):

At the end of the course, the students would be able to:

CO1. Gain knowledge of the concepts and theory of limit, continuity and differentiability of one variable functions.

CO2. Attain skills of calculating the limit of functions and examining the continuity, discontinuity and differentiability of different types of functions.

CO3. Learn to perform successive differentiation of functions.

CO4. To apply the procedural knowledge to obtain the series expansions of functions, having the multidisciplinary applications.

CO5. Attain cognitive and technical skills for indeterminate forms, limit and continuity of real valued functions of two variables.

CO6. To have knowledge about partial differentiation, total differentials, composite functions & implicit functions, change of variables.

Mapping of CO with PO
C24MAT201T

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	S	S	S	S	M	S	S
CO2	S	S	S	S	M	S	M	S	S	S
CO3	S	S	S	M	S	M	S	S	S	M
CO4	S	M	S	S	M	S	S	S	S	M
CO5	S	S	M	S	S	S	S	M	S	S
CO6	S	S	S	S	M	S	M	S	S	S

S = strong M = medium W = weak

Calculus Lab
Discipline Specific Course (DSC)

Paper Code: C24MAT201P

30 Hrs (2 Hrs /Week) **External Marks: 20**
Credit: 1 **Internal Marks: 10**
Exam. Time: 3Hrs **Total Marks: 30**

Objective: *The students will be able to understand the basics of Python Language and its applications in understanding the concept of Calculus by plotting the graphs*.

The following practical will be done using PYTHON language and their record will be maintained: Part A:

1. To learn the basic concepts of limit and limit at infinity.
2. Having the knowledge about tangent line, singular points of a curve 3. To check the symmetry of a curve about x-axis, y-axis and a line.
4. To find the asymptotes of a curve.
5. To visualise the concavity and inflexion point of a curve.

6. Gain the knowledge about the applications of calculus in optimization problems.

Part B:

1. To explore the formal definition (_) of limit.
2. Find derivatives of algebraic, trigonometric, logarithmic, exponential functions etc.
3. To check the symmetry of a given curve.
4. Identifying the zeros, horizontal, vertical and oblique asymptotes of a given function.
5. Illustrating the regions of concave up and concave down of a curve.
6. To find the inflexion point of a curve.
7. To plot curves involving Cartesian and parametric coordinates.
8. To find partial derivatives of a function.
9. To find total differential of a function of two variables.
10. To find the absolute maximum and minimum value of function of one and two variables.
11. To find maxima or minima using method of Lagrange's multipliers.

Recommended Books /Download Links:

1. Website Link: www.python.org
2. Rashi Gupta (2002). Making Use of Python. Wiley Publishing, Inc., New York.
3. Peter Norton et. al (2005). Beginning Python. Wiley Publishing, Inc., New York.
4. Wes McKinney (2017). Python for Data Analysis, O'Reilly. http://oreilly.com/catalog/errata.csp?isbn=9781491957660.

Course Outcomes (COs):

At the end of the course, the students would be able to:

CO1. Attain cognitive and technical skills required for solving different problems of essential calculus associated with plotting of curves, continuity, discontinuity and uniform continuity, differentiability.

CO2. To solve maximization and minimization problems of functions of two variables.

CO3. Have technical and practical skills of solving calculus problems related to differentiation and integration of functions by using PYTHON language.

CO4. Have theoretical knowledge and practical skills for Homogenous functions, Euler's theorem and Expansion of multivalued functions, Maclaurin's and Taylor's series expansions.

Mapping of CO with PO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	M	S	S	S	S	M	S	S
CO2	S	S	S	S	M	S	M	S	S	S
CO3	S	S	S	S	S	M	S	S	M	M
CO4	S	M	S	S	M	S	S	S	S	M

S = strong M = medium W = weak

History

History Indian History and Culture (Semester II)

Minor Core (MIC)

Course Code: **External Mark35**
C24MIC212T **Internal Mark15**
30 Hrs (2 Hrs/Week) **Total Marks:**
Credit : 2 **50**
Exam Time: 2 Hrs

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *The purpose is to introduce students to elements of change and continuity in Indian history. Course outcome: Explains the social life and cultural status of the people under study.*
Understands the society, religion and political history.

Unit – I

Historical Understanding in India
Indian Knowledge Traditions: Idea of History and Concept of Time & Space
Ancient Indian Literature and its Historicity: *Vedas, Ramayana, Mahabharata,* and *Tripatakas* Social Inequalities in Indian Culture
Religion, Gender and Caste in Indian Culture
Status of Women across the Religions and Castes

Unit – II

Cultural Assimilation and Cultural Heritage Emergence of Composite Culture in Medieval Times Built Heritage and Historical Tourism in Indian Context Cultural Forms & Cultural Expressions:
The City and Civil Society in Indian History and Culture Performing Arts Fairs & Festivals

Books Suggested:

1. Banga, Indu, ed. The City in Indian History: Urban Demography, Society & Polity, Delhi, Manohar, 1991.
2. Basham, A.L, The Wonder that was India, Rupa, Delhi, 1994. Bhagvadatt, Vrihad Bharat Ka Itihas, Pranav Prakashan, New Delhi.
3. Biswas, S.S., Protecting the Cultural Heritage (National Legislations and International Conventions). New Delhi: INTACH, 1999.
4. Chahal, S.K., Dalits Patronized: Indian National Congress and the Untouchables of India 1921-1947, Shubhi Publication, New Delhi, 2002. (Only Introduction & Chapter I).
5. Koch, E. Mughal Art & Imperial Ideology, Oxford University Press, New York, 2001. Kumar, Radha, History of Doing: An Illustrated Account of Movements for Women's Rights &Feminism in India 1880-1990, Zubaan, 2007. 6. Kumar, Sunil, The Present in Delhi's Past, Gyan Publishing House, Delhi 2002.

7. Lahiri, N., Marshaling the Past - Ancient India and its Modern Histories, Permanent Black, Ranikhet, 2012. Chapters 4 and 5.
8. Lowenthal, David, Possessed by The Past: The Heritage Crusade and The Spoils of History,Cambridge, 2010.
9. Parikh, B., Composite Culture in a Multicultural Society, NBT, Delhi, 2007.

Course Outcome:

At the end of the course the students would be able to:

CO1 Acquaint with the Idea of History in India; Ancient Indian Literature and its Historicity, and Myths and Reality *vis-à-vis* Historical Understanding in India.

CO2 Understand the deep-rooted impact of social inequalities based on Class, Caste & Gender in shaping historically the Culture of India.

CO3 Grasp the Cultural Assimilation and Cultural Heritage in India with particular reference to Great & Little

CO4 Traditions; Emergence of Composite Culture; Main Components of Cultural Heritage in India, and Built Heritage and Historical Tourism in Indian Context.

CO5 Familiar with the Cultural Forms and Cultural Expressions like Performing Arts, Fairs & Festivals, and the issues of Cultural Identity in the era of Globalization.

Mapping of CO with PO

Outcomes	PO1	PO2	PO3
CO1	S	W	S
CO2	S	M	W
CO3	M	S	S
CO4	W	S	M
CO5	W	M	S

S= Strong M=Medium W=Weak

Home Science
Early Childhood Care & Education (Semester II)
Minor Course (MIC)

Course Code: C24MIC213T **External Marks : 35**
30 Hrs (2 Hrs/Week) **Internal Marks : 15**
Credit: 2 **Total Marks: 50**
Exam Time: 2 Hrs

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1.

Objectives: *The aim of Early Childhood Care and Education is to facilitate optimum development of the child's full potential and lay the foundation for all round development and lifelong learning.*

Unit - I

Early Childhood care & Education: Nature, meaning, need, importance, aims, objective, principles & scope of ECCE, Types of pre-schools/programmes play centers, day care, kindergarten, balwadi, anganwadi, mobile creches,
Contribution of thinkers to the development of ECCE: Pestalozzi, Rousseau, Froebel, Montessori, Gandhi, Tagore, Tarabai Modak etc.

Unit - II

Organizational Set up: Building & Equipment- Location, site, size and arrangement of rooms, playground, play equipment, storage facilities, maintenance of the equipments and furniture, administrative set up staff & personnel working at different level; Role, responsibilities and essential qualities of teacher & other personnel.
Curriculum & Activities: Principles & types of curriculum planning for pre-school, activities of curriculum for physical development, healthful living, social & emotional development, cognitive development & creative art & craft

Books Suggested:

1. Early Childhood care & Education (ECCE) - J. Mohanty & B. Mohanty - Deep & Deep Publication Pvt Ltd, New Delhi.
2. Pre-school Children Development, care & Education A. Chowdhury & R. Choudhury- New Age International Limited - Publishers, New Delhi.
3. Pre-school Education- Philosophy & practice- G. Pankajam-The Indian PublicationsAmbala Cantt.
4. Theory & Principles of Education- Bhatia & Bhatia - Doaba House, Delhi.
5. *Introduction to Early Childhood Education-J.A.Brewer, Allyn & Bacon. Boston,*
6. Early Childhood Education- Barbara Day-Macmillan, New York.
7. Early Childhood Education-J.S. Garewal- Agra national Psychological Corporation Publishers.

8. Introduction to Early Childhood Education-Hilde brand Vena, Macmillan-New York.
9. Early Childhood Education programme, V.Kaul NCERT, New Delhi.
10. Guide to Nursery School Teacher - R. Muralidharan NCERT.

Course Outcome:

At the end of the course the students would be able to:

CO1 Elaborate different aspects of early childhood care and education
CO2 Set up play schools, preschools or Creches
CO3 Apply the thoughts & contributions of different thinkers in the development of ECE
CO4 Skillfully plan pre-school, activities as per the curriculum of ECE

Mapping of CO with PO

Outcomes	**PO1**	**PO2**	**PO3**
CO1	S	W	S
CO2	W	M	M
CO3	S	S	S
CO4	M	M	S

S= Strong M=Medium W=Weak

Hindi

ह िंदी भाषा एविं सम्प्रेषण–I (रथम/हितीय सेमेस्टर)

Ability Enhancement Course (AEC)

Course Code: C24AEC102T **External Marks: 35**

30 Hrs. (2 Hrs./Week) **Internal Marks : 15**

Credit: 2 **Total Marks: 50**

Exam Time: 2 Hrs.

Note: The maximum time duration for attempting the paper will be of 2 hours. The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3 marks each. In addition to that four more questions will be set, two questions from each unit. The students shall be required to attempt three questions in all selecting one question from each unit consisting of 10 marks each in addition to compulsory Question No. 1. पाठ्यक्रम का उद्देश्य **(Course Objective) :**

1. छात्रों को ह िंदी भाषा में सिंचार से पररचचत कराना।
2. बोलचाल के कौशल को ववकचसत करना। कायक्रय म रचतफल **(Program**

Outcomes):

1. छात्रों को ह िंदी भाषा में सिंचार से पररचचत कराया जाएगा।
2. वे बोलने के कौशल के ववचभन्न प लुओं और सिंचार में उनके उपयोग को सीखेंगे।
3. वे ववराम चचह्न और भाषा के व्याव ाररक उपयोग को सीखेंगे।
4. उन् ें सिंचार का व्यापक ज्ञान ोगा। ववषय वस्तु **:**

इकाई– **1**

सम्प्रेषण का अथय, रकृचत, म त्व और उद्देश्य, सम्प्रेषण के तत्व व रकार, सम्प्रेषण की ववशेषताएिं, ह न्दी में भाषण के अिंग, वतनय ी और उच्चारण।

इकाई– **2**

रस्तुचत कौशल, साक्षात्कार कौशल, साक्षात्कार के चलए तैयारी, साक्षात्कार तकनीक, सावजय चनक भाषण, भाषण की तैयारी, भाषण का आयोजन, भाषण की रस्तुचत। स ायक पुस्तकें**:**

1. सिंचार कौशल - डॉ. म ादेव पाण्डेय व अनूप कुमार दीक्षक्षत
2. बोलचाल की कौशल कला - रमेश सानवाल
3. सिंवाद कौशल - आशा भागवत

Computer Science

Digital Efficiency Tools (Semester-I/II)

Skill Enhancement Course (SEC)

Paper Code: C24SEC203T **External Marks: 35**

30 Hrs. (2 Hrs /Week) **Internal Marks: 15**

Credits: 2 **Total Marks: 50**

Exam. Time: 2 Hrs

Note: The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 3

marks each. In addition to this, four more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit. The student/candidate is required to attempt three questions in all selecting one from each unit in consisting of 10 marks in addition to the compulsory Question No.1.

Course Objective: This course introduces simple and practical techniques to improve digital productivity. Students will learn about basic time management tools, digital collaboration using G Suite applications, organizing files, and handling digital distractions. The course aims to help students streamline their digital tasks, reduce distractions, and increase efficiency.

Unit-I

Introduction to Digital Efficiency: What is Digital Efficiency? Benefits of Being Digitally Efficient, Handling Digital Distractions. **Basic Time Management Tools:** Using Digital Calendars (Google Calendar), Google Tasks. **Email management and File organisation:** Basics of Digital Note-Taking (Google Keep), Simple File and Folder Organization, Managing Emails Effectively (Gmail).

Unit – II

Digital Collaboration with G Suite: File sharing and storage (Google Drive), Online Meetings (Google Meet), Collaborative Document Editing (Google Docs, Google Sheets), Using Google Classroom for Education, Creating Surveys and Forms (Google Forms)

Text and Reference:

1. Newport, C., Digital Minimalism: Choosing a Focused Life in a Noisy World, Portfolio, 2019
2. Google keep: https://support.google.com/keep/answer/2888240?hl=en&co=GENIE.Platform%3DAndroid&sjid=1235277822480263684-AP
3. Google drive: https://support.google.com/drive/answer/2424384?hl=en&co=GENIE.Platform%3DAndr oid&sjid=1235277822480263684-AP
4. Google meet: https://support.google.com/a/users/answer/9282720?hl=en&sjid=1235277822480263684 -AP
5. Google docs: https://support.google.com/a/users/answer/9282664?hl=en&sjid=1235277822480263684-AP
6. Google sheet: https://support.google.com/a/users/answer/9282959?hl=en
7. Google forms:https://support.google.com/a/users/answer/9303071?hl=en
8. Managing Emails Effectively: https://support.google.com/a/users/answer/9260550?hl=en
9. Google classroom: https://sites.google.com/view/classroom-workspace/

Course Outcomes

At the end of the course students will be able to:

CO1. **Define** basic concepts of digital efficiency.

CO2. **Explain** simple tools and strategies for managing digital tasks.

CO3. **Apply** basic digital tools to improve personal productivity.

CO4. **Compare** different digital tools for specific tasks.

CO5. **Develop** a simple digital efficiency plan using selected tools.

Digital Efficiency Tools Lab (Semester-I/II)

Paper Code: C24SEC203P **External Marks : 15**
30 Hrs (2 Hrs /Week) **Internal Marks : 10**
Credits: 1 **Total Marks: 25**
Exa. Time: 3 Hrs

Course Objective: This lab course provides hands-on practice with tools and techniques covered in the Digital Efficiency course. Students will gain practical experience in using digital productivity tools, managing files, and collaborating effectively using G Suite applications.

List of experiments/assignments:

1. **Setting Up Google Calendar:** Create a Google account if not already done. Set up Google Calendar and explore its interface. Add personal events, set reminders, and manage notifications.
2. **Task Management with Google Tasks:** Sign up for Google Tasks or a similar task management tool. Create task lists for daily, weekly, and long-term goals. Prioritize tasks using labels, due dates, and priority levels.
3. **Managing Emails with Gmail:** Use Gmail to manage emails effectively. Organize emails using labels, folders, and filters. Practice archiving, deleting, and searching for emails.
4. **Digital Note-Taking with Google Keep:** Explore Google Keep for creating and organizing notes. Use labels, colours, and reminders for better organization. Share notes with peers and collaborate on a note-taking activity.
5. **File Management with Google Drive:** Upload files to Google Drive and organize them into folders. Share files with specific permissions (view, edit, comment). Practice searching for files and using advanced features like offline access.
6. **Collaborative Document Editing:** Collaborate on a document using Google Docs. Edit the document simultaneously with peers. Use comments, suggestions, and version history features.
7. **Online Meetings with Google Meet:** Schedule an online meeting using Google Calendar. Host and join meetings using Google Meet. Share screens, collaborate on documents, and record meetings for future reference.

Note: In addition to the above experiments, the teacher may add more programs on the behalf of the theory syllabus.

Course Outcomes

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

CO1. **Apply** digital tools for efficient personal organization and productivity.

CO2. **Analyse** and prioritize tasks using task management strategies.

CO3. **Critique** the usability and user experience of each tool based on practical use.

CO4. **Design** comprehensive digital documentation.

CO5. **Create** lab assignment record that includes problem definitions, solutions, results, and conclusions.

CO6. **Demonstrate** ethical practices while solving problems individually or in groups.

Mapping of COs with POs: (C24SEC203P)

Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1								
CO2								
CO3								
CO4								
CO5								
CO6								

S=Strong, M=Medium, W=Weak

Value Added Course (VAC)
Environmental Studies-II

Course Code: 24VAC0301T **Maximum Marks: 50**
Credit: 2 **Internal Marks: 15**
Time: 2 Hours **External Marks: 35**

Note:The examiner is required to set five questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus having 3 marks each. In addition to this, four more questions (each question may be of 2-3 parts) will be set consisting of two questions from each unit.

The student/candidate is required to attempt three questions in all selecting one question from each unit consisting of 10 marks each including compulsory Question No. 1.

Course Outcomes (CO): After completing this course, the learner will be able to: CO1. Understand the concept of Natural Resources CO2. Learn about the Social Issues and the Environment.
CO3. Know about the environmental law and legislation.
CO4. Know about the human population and the environment.

Unit-I

Natural Resources: Renewable and non-renewable resources: Natural resources and associated problems. Forest, Water, Mineral, Food, Energy, and Land Resources, Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles. Environmental Pollution Definition: Causes, effects and control measures of: a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution
g. Nuclear pollution; Solid waste management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution, Pollution case studies.

Unit-II

Social Issues and the Environment, Environmental Protection Act; Air (Prevention and Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; Issues involved in enforcement of environmental legislation, Human Population and the Environment: Population growth, variation among nations; Population explosion – Family Welfare Programmes; Environment and human health; Human Rights; Value Education; HIV / AIDS; Women and Child Welfare; Role of Information Technology in Environment and Human Health; Case Studies

Suggested Readings:

1. Kaushik, A & Kaushik, C.P. 2022. Perspectives in Environmental Studies. New Age International Pvt Ltd, New Delhi.
2. Bharucha, E. 2021. A Textbook of Environmental Studies for Undergraduate Courses, Orient Blackswan Pvt Ltd.
3. Goswami, P., Mandal, J. & Singh, S. 2022. A Textbook on Environmental Studies, Ashok book stall, Assam.

4. Joshi, P.C. & Joshi, N. 2009. A Text Book of Environmental Science. APH Publishing Corporation.
5. Basu, M. & Xavier Savarimuthu, S.J. 2017. Fundamentals of Environmental Studies. Cambridge University Press.
6. Singh, R.P. & Islam, Z. 2012. Environmental Studies. Concept Publishing Company.

Defence Studies

Introduction to Military Studies (Semester II)

Multi-Disciplinary Course (MDC)

Course Code: C24MDC208T **External Marks: 50**
45 Hrs. (3 Hrs./Week) **Internal Marks: 25 Credit: 3**
Total Marks: 75
Exam Time: 2.5 Hrs.

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *The objective of the course is to study terrorism, its aims and forms, with a particular focus on counter-terrorism and the measures implemented by the international community and individual states.*

Unit – I

Concept and Evolution of Military Studies
Importance of Military Studies Contemporary
Need of Military Studies

Unit – II

Basic Structure and Role of the Armed Forces; Armed Forces
Special Forces
Para Military Forces

Unit – III

Security and Geo-Strategy; Geo-Politics; Maritime Security
Indian Armed Forces: Weapons and War Equipment; Modernization of the Indian Armed Forces

Books Suggested:

1. Adhikari, S. (2016). Military Thinking of Ancient India. India: Pentagon Press.
2. Blout, Brian (2012) Global Geostrategies: Mackinder and the Defence of the West. UK: Taylor & Francis.
3. Gray, Colin S., Geoffrey Sloan, (2014) Geopolitics, Geography and Strategy. UK: Taylor & Francis.
4. Heuser, B. (2022). War: A Genealogy of Western Ideas and Practices. United Kingdom: Oxford University Press.
5. Huidekoper, F. L. (1904). Military Studies. United States: Hudson-Kimberly Publishing Company.
6. Kunju, N. (1998). Free India's Army: Problems at 50. India: Reliance Publishing House.

7. McNicholas, M. (2016). Maritime Security: An Introduction. United Kingdom: Elsevier Science.
8. Otto, Lisa (2020) Global Challenges in Maritime Security: An Introduction. Germany:
Springer International Publishing.
9. Pandey, B. K., Hiranandani, G. M., Verma, B. (2008). Indian Armed Forces. India: Lancer Publishers & Distributors.
10. Prasad, R. (2010). Complete Book on Indian Armed Forces. India: Cybe Tech Publications.
11. Singh, K.K. (2017) Reality and Delict of Indian Military Affairs. K.K. Publications.
12. Singh, P. K. R. (2012). Coastal Security: Maritime Dimensions of India's Homeland Security. India: Vij Books India Private Limited.

Course Outcome:

At the end of the course the students would be able to:

CO1 Understand the concept, evolution and importance of military studies.

CO2 Comprehend the basic structure and role of armed forces.

CO3 Understand the concept of geo-politics and maritime security.

CO4 Understand the types of war equipment used by armed forces along with the issue of modernization of Indian armed forces.

Mapping of CO with PO

Outcomes	**PO1**	**PO2**	**PO3**
CO1	S	M	M
CO2	W	S	S
CO3	M	S	W
CO4	M	W	M

S= Strong M=Medium W=Weak

Mass Communication

Content Development for Digital Platforms (Semester II) Multi-Disciplinary Course (MDC)

Course Code: C24MDC233T **External Marks: 50**
45 Hrs (3 Hrs/Week) **Internal Marks: 25**
Credit: 3 **Total Marks: 75**
Exam Time: 2.5 Hrs

Note: The maximum time duration for attempting the paper will be of 2.5 hours. The examiner is required to set seven questions in all. The first question will be compulsory consisting of five short questions covering the entire syllabus consisting of 2.5 marks each. In addition to that six more questions will be set, two questions from each unit. The students shall be required to attempt four questions in all selecting one question from each unit in addition to compulsory Question No. 1. All questions shall carry equal marks i.e. 12.5 marks.

Objectives: *Understand the fundamentals of digital content development. Develop content strategies for different digital platforms. Create high-quality written and multimedia content. Optimize content for search engines (SEO). Promote and measure the effectiveness of digital content.*

Unit I

Introduction to Digital Content Development Duration

1.1 Definition and scope of digital content
1.2 Understanding Target Audiences: Identifying and analyzing target audiences
1.3 Content Strategy and Planning: Developing a content strategy
1.4 Legal and Ethical Considerations: Copyright, fair use, and intellectual property

Unit II

Content Creation Techniques Duration

2.1 Writing for Digital Platforms: writing styles for online consumption, SEO principles for content creation
2.2 Visual Content Development: Importance of visuals in digital content, Graphic design basics for non-designers
2.3 User-Generated Content and Social Media
2.4 Mobile Content Optimization
2.5 Ethics and challenges in AI content creation
2.6 Future Trends in Digital Content: Emerging technologies shaping content creation

Unit III

Content Distribution and Marketing Duration

3.1 Digital Content Distribution Channels: Platforms for content distribution (social media, websites, email)
3.2 Augmented Reality (AR) and Virtual Reality (VR) Content
3.3 Email Marketing and Newsletters: Creating effective email campaigns
3.4 Analytics and Measurement: Introduction to content analytics

3.5 Augmented Reality (AR) and Virtual Reality (VR) Content
3.6 Artificial Intelligence in Content Creation

Suggested Readings:

- "Everybody Writes: Your Go-To Guide to Creating Ridiculously Good Content" by Ann Handley
- "Content Strategy for the Web" by Kristina Halvorson and Melissa Rach
- "Epic Content Marketing: How to Tell a Different Story, Break through the Clutter, and Win More Customers by Marketing Less" by Joe Pulizzi
- "The Elements of Content Strategy" by Erin Kissane
- "Don't Make Me Think, Revisited: A Common-Sense Approach to Web Usability" by Steve Krug
- "Content Inc.: How Entrepreneurs Use Content to Build Massive Audiences and Create Radically Successful Businesses" by Joe Pulizzi
- Online Articles and Blogs: Google's Search Engine Optimization (SEO) Starter Guide
- "The Art of SEO: Mastering Search Engine Optimization" by Eric Enge, Stephan Spencer, and Jessie Stricchiola