

Academic Council Date – 13/06/2024

Item No. – 04



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited A+ Grade by NAAC (Third Cycle-CGPA-3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

As per National Education Policy - 2020

Title of the Programme

B. A. in Geography

SKILL ENHANCEMENT COURSE (SEC)

HORTICULTURE

Syllabus for F.Y.B.A. Semester I and II

(With effect from the academic year 2024-25)

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)

Principal

CHANGU KANA THAKUR
ARTS, COMMERCE & SCIENCE COLLEGE
NEW PANVEL, RAIGAD.



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy – 2020 (Revised-2024)

Sr. No.	Heading	Particulars
1	Title of program	Bachelor of Arts
2	Eligibility	12th pass from all recognized Boards
3	Duration of program	One Year
4	Intake Capacity	120
5	Scheme of Examination	External- 60 Marks Internal -40 Marks
6	Standards of Passing	35%
7	Semesters	I and II
8	Program Academic Level	U.G.
9	Pattern	Semester (60:40)
10	Status	Revised
11	To be implemented from Academic Year	Academic Year 2024-25

Dr. D.S. Narkhede
Head, Department of Geography
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)



Prof. (Dr.) S.K. Patil
Principal
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Preamble

Introduction

Bachelor of Arts (B.A.) in Geography is a under graduation course of Department of Geography, Changu Kana Thakur Arts, Commerce & Science college, New Panvel (Autonomous). The college has implemented the National Education Policy 2020 from the Academic Year 2024-25 and Geography is one of the major subject offered by the college. Under Skill Enhance Course department introduced the Horticulture course. Horticulture is the art and science of cultivating plants for human use, enjoyment, and environmental benefit. In this course, we will explore the fundamentals of plant biology, soil science, garden design, and sustainable practices that shape the modern horticultural industry. Students will gain practical experience in plant propagation, landscape management, and ecological stewardship. Through both theoretical lessons and hands-on activities, this course aims to foster a deep understanding of the intricate relationships between plants, their environments, and the communities they support. Whether for personal enrichment or professional development, the knowledge and skills gained will empower students to contribute meaningfully to horticulture's diverse fields.

Abbreviations Used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
- DSE : Discipline Specific Elective
- GE : Generic Elective
- OE : Open Elective
- VSC : Vocational Skill Course
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- OJT : On Job Training (Internship)
- FP : Field project
- CEP : Community engagement and service
- CC : Co-curricular Courses
- RM : Research Methodology
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- MJ : Major Course
- MN : Minor Course



Janardan Bhagat Shikshan Prasarak Sanstha's



CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for F.Y.B.A. Semester- I

SKILL ENHANCEMENT COURSE (SEC)

Choice Based Credit System

Under New Education Policy (NEP) 2020

(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: USEC1HOR

Course Title: Horticulture

Course Type: Skill Enhancement Course (SEC)

No. of Credits: 2

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the Concept, importance nature, scope and types of Horticulture (Level-2- Understanding)
CO-2	Able understand the use of propagation tools, nutrition application methods and its application in field.(Level-2- Understanding and Level III- Applying)
CO-3	Able to prepare nursery beds, seeding, plantation and cultivate the horticultural plants (Level VI- Creating)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

Syllabus for F.Y.B.A. Semester- I

SKILL ENHANCEMENT COURSE (SEC)

To be implemented from the Academic year 2024-25

HORTICULTURE

Course Code: USEC1HOR1

(Credit- 02)

Title of the Unit		No. of Lectures
Unit I: Basics of Horticulture		15
1.1	Definition, Scope, Importance and Branches	
1.2	Weed Management- Land preparation, hand hoeing, hand weeding, water management training, pruning, ringing, notching, disbudding and pinching, Grafting and potting methods	
1.3	Propagation tools and implements	
1.4	Nutrient application methods in horticultural crops	
Unit II: Practical in Horticulture		15
2.1	Preparation of Nursery Beds, Seed Treatments and sowing	
2.2	Potting and maintenance of plants (Indoor and Outdoor Plants)	
2.3	Types of Cutting and Grafting with applications	
2.4	Nutrition and plant protection, Application of Growth Regulators	

Reference books:-

1. Textbook on Horticulture- Rajaneesh Singh (Author), Bijendra Kumar Singh (Author); New India Publishing Agency- Nipa
2. Fundamentals of Horticulture- Jitendra Singh (Author); Kalyani Publishers (Contributor)
3. Basic Horticulture by Jitendra Singh; Kalyani Publishers (Contributor)
4. Fundamentals of Horticulture and Plant Breeding-N. Arumugam, V. Kumaresan; Saras Publication
5. Introduction to Horticulture, 9th Edition- N. Kumar (Author); Medtech Science Press
- 6.. Chadha K. L. (ICAR), 2002. Handbook of Horticulture. ICAR, New Delhi.
07. D. K. Salunkhe and S.S. Kadam, 2013. A handbook of Fruit Science and Technology. CRC Press.
08. Denisen E.L., 1957. Principles of Horticulture. Macmillan Publishing Co., New York.
09. Edmond, J.B, Sen, T.L, Andrews, F.S and Halfacre R.G., 1963. Fundamentals of Horticulture. Tata Mc Graw Hill Publishing Co., New Delhi.
10. Gardner/Bardford/Hooker. J.R., 1957. Fundamentals of Fruit Production. Mac Graw Hill Book Co., New York.

Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for F.Y.B.A. Semester- II

SKILL ENHANCEMENT COURSE (SEC)

Choice Based Credit System

Under New Education Policy (NEP) 2020

(To be implemented from the academic year 2024-2025)

Course Structure

Course Code: USEC2HOR2

Course Title: Horticulture

Course Type: Skill Enhancement Course (SEC)

No. of Credits: 2

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Coourse, students will be able to-
CO-1	Understand the principles of landscaping, Garden design and types of Horticulture (Level-2- Understanding)
CO-2	Able understand the concept of indoor and outdoor plants and different garden features) (Level-2- Understanding)
CO-3	Able to test the soil samples plants and prepare different types of gardens (Level III- Applying and Level VI- Creating)

11. Jitendra Singh, 2002. Basic Horticulture. Kalyani Publishers, Hyderabad.
12. Jitendra Singh, 2011. Basic Horticulture. Kalyani Publications, New Delhi.
13. K.V.Peter, 2009. Basics Horticulture. New India Publishing Agency
14. Kausal Kumar Misra and Rajesh Kumar, 2014. Fundamentals of Horticulture. Biotech Books.
15. Kumar, N., 1990. Introduction to Horticulture. Rajyalakshmi publications, Nagarcoil, Tamilnadu
16. Neeraj Pratap Singh, 2005. Basic concepts of Fruit Science 1" Edn. IBDC Publishers.
17. Prasad and Kumar, 2014. Principles of Horticulture 2nd Edn. Agrobios (India).
18. Horticulture and Gardening-Dr. M.R. Khan; Nirali Prakashan

CO	CO Description
CO-1	Understand the principles of landscaping, Garden design and types of landscaping (Level-2-Understanding)
CO-2	Apply the concepts of indoor and outdoor plants and different garden layouts (Level-3-Understanding)
CO-3	Apply the soil samples plants and prepare different types of gardens (Level III-Applying and Level IV-Creating)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

Syllabus for F.Y.B.A. Semester- II

SKILL ENHANCEMENT COURSE (SEC)

To be implemented from the Academic year 2024-25

HORTICULTURE

Course Code: USEC2HOR2

(Credit- 02)

Title of the Unit		No. of Lectures
Unit I: Landscape Gardening		15
1.1	Principles of landscaping, Garden design and types	
1.2	Selection of site, Preparation of soil for garden, Lawn- Method of preparation of lawn, management of lawn and lawn plants.	
1.3	Indoor plants & Indoor gardens- Hydroponics, Terrarium/ Bottle garden, Dish garden.	
1.4	Important garden features- Paths & Avenues, Hedges & Edges, Lawn, Flowerbeds, Arches& Pergolas, Fencing, Water bodies, Rock garden & Plants suitable for different locations & climates.	
Unit II: Practical in Garden operations		15
2.1	Soil sampling and testing	
2.2	Method of preparing bonsai, Bottle Garden / Terrarium, Hanging baskets , Dish garden	
2.3	Field Visit: Nursery/Agro farm/Garden	
2.4	Project and presentation – Each student should individually present a project related to any topic related to Horticulture.	

Reference books:-

1. Textbook on Horticulture- Rajaneesh Singh (Author), Bijendra Kumar Singh (Author); New India Publishing Agency- Nipa
2. Fundamentals of Horticulture- Jitendra Singh (Author); Kalyani Publishers (Contributor)
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Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)

Tata Mc Graw Hill Publishing Co., New Delhi.

10. Gardner/Bardford/Hooker. J.R., 1957. Fundamentals of Fruit Production. Mac Graw Hill Book Co., New York.

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17. Prasad and Kumar, 2014. Principles of Horticulture 2nd Edn. Agrobios (India).

18. Horticulture and Gardening-Dr. M.R. Khan; Nirali Prakashan

BOS Meeting Date-15/04/2024

Item No. – 03

Academic Council Date – 13/06/2024

Item No. – 04



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

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'College with Potential for Excellence' Status Awarded by UGC
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As per National Education Policy - 2020

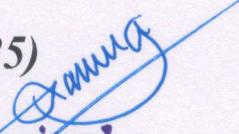
Title of the Programme

B. A. in Geography

(OPEN ELECTIVE-OE)

Syllabus for F.Y.B.Com Semester II

(With effect from the academic year 2024-25)


Principal
CHANGU KANA THAKUR
ARTS, COMMERCE & SCIENCE COLLEGE
NEW PANVEL, (AUTONOMOUS)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy – 2020 (Revised-2024)

Sr. No.	Heading	Particulars
1	Title of program	Bachelor of Arts
2	Eligibility	12 th for F.Y.B.Com. of all recognized Boards
3	Duration of program	One Year
4	Intake Capacity	120
5	Scheme of Examination	External- 60 Marks Internal -40 Marks
6	Standards of Passing	40%
7	Semesters	II, III and IV
8	Program Academic Level	U.G.
9	Pattern	Semester (60:40)
10	Status	Revised
11	To be implemented from Academic Year	Academic Year 2024-25

Dr. D.S. Narkhede
Head, Department of Geography
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)



Prof. (Dr.) S.K. Patil
Principal
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)

Principal
CHANGU KANA THAKUR
ARTS, COMMERCE & SCIENCE COLLEGE
NEW PANVEL (AUTONOMOUS)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

F.Y.B.Com. Semester-II and for S.Y.B.Sc. Semester- III Syllabus

To be implemented from the Academic year 2024-25

PHYSICAL GEOGRAPHY OF INDIA

Course Code: For F.Y.B.Com. UOE2PGI

(Credit- 02)

Title of the Unit		No. of Lectures
Unit I: India- Physiography, Drainage and Seasons		15
1.1	Location, extent and significance	
1.2	Major physiographic divisions	
1.3	Rivers and Lakes	
1.4	Seasons in India	
Unit-II: Soil, Forest and Mineral Resources		15
2.1	Soil in India	
2.2	Forest in India	
2.3	Minerals in India	
2.4	Power Resources in India	

Reference books:-

1. Deshpande C.D. (1992): India: A Regional Interpretation, Northern Book Centre, New Delhi.
2. Bharucha, F.R. (1983): A text book of the plant geography of India, Oxford Unievrstity Press, Bombay.
3. Dikshit, K.R.(1991): Environment, Forest Ecology and man in the Western Ghats- The Case of Mahabaleshwar Plateau, Rawat Publications, NewDelhi.
4. Forest Survey of India: State Forests Reports, Dehradun.
5. Khullar, D.R. (2014): India: A Comprehensive Geography; Kalyani Publishers
6. Miller, R.W. et al. (1995): Soil in Our Environment, Prentice hall, U.S.A.
7. Robinson, F (ed.) (1989): The Cambridge Encyclopedia of India, Pakistan, Bangladesh and Sri Lanka,Cambridge University Press.
8. Savindra Singh (2006) : Physical Geography of India ; Pravalika Publications, Allahabad.
9. Sharma T.C. (2013) Economic Geography of India; Rawat Publications, New Delhi.
11. परमार राजेंद्र (२०१६) भारताचा प्राकृतिक भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
12. घारपुरे विक्रल (२०१४) भारताचा भूगोल ,पिंपळापुरे अँड पब्लीशर्स, नागपूर
13. पेडणेकर, नारखेडे व इतर (२०१७) भारताचा प्राकृतिक भूगोल, शेठ पब्लीशर्स प्रायव्हेट लिमिटेड, मुंबई.



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for F.Y.B.Com. Semester-II
Choice Based Credit System
Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2024-2025)
Course Structure

Course Code: For F.Y.B.Com. UOE2PGI

Course Title: Physical Geography of India

Course Type: Open Elective (OE)

No. of Credits: 2

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the physiographic divisions of India and its importance. (Level-2- Understanding)
CO-2	Understand and analyze the drainage system in India. (Level-2- Understanding and Level-4- Analyzing)
CO-3	Explain the types of seasons, soil and forest in India and to evaluate the conservation methods. (Level-2- Understanding and Level-5- Evaluating)
CO-4	Classify and explain the minerals and energy resources in India. (Level-2- Understanding)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Preamble

Introduction

Bachelor of Arts (B.A.) in Geography is a under graduation course of Department of Geography, Changu Kana Thakur Arts, Commerce & Science college, New Panvel (Autonomous). The college has implemented the National Education Policy 2020 from the Academic Year 2024-25 and Geography is one of the major subject offered by the college. The Choice Based Credit System to be implemented through this curriculum would allow students to develop a strong footing in the fundamentals and specialize in the disciplines of his/her liking and abilities. This syllabus is prepared to give the sound knowledge and understanding of Geography to undergraduate students at first year of the B.A. degree course. The syllabus is prepared to determine and analyse knowledge of the facts, processes, and methods of Geography. The content of syllabus will expose the students to various emerging new areas of Geography and acquaint them with their prevalent in their future studies and their applications in society. Depart also offers Vocational and Skill based Courses for the students (VSC), through this course students will acquire geographic analytical skills that can be applied to a variety of research and professional tasks where the analysis of spatial information is required.

Abbreviations Used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
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- CEP : Community engagement and service
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- RP : Research Project
- MJ : Major Course
- MN : Minor Course



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited A++ Grade by NAAC (Fourth Cycle-CGPA-3.52)
'College with Potential for Excellence' Status Awarded by UGC
'Best College Award' by University of Mumbai

As per National Education Policy – 2020 (Revised)

Title of the Programme

B. A. in Geography

(Faculty of Arts)

Syllabus for S.Y.B.A. (Geography)

Semester III and IV

(Major, IKS, and SEC)

(With effect from the academic year 2025-26)

Dr. D. S Narkhede
Chairman

Board of Studies in Geography



Prof. (Dr.) S.K. Patil
Principal

Changu Kana Thakur A.C.S. College
New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy – 2020 (Revised-2024)

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11	To be implemented from Academic Year	Academic Year 2025-26

Dr. D.S. Narkhede
Head, Department of Geography
Changu Kana Thakur
A.C.S. College,
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Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Preamble

1) Introduction

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Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Program Outcomes (POs)

PO No.	POs Statement	Knowledge and Skill
	After completing the Bachelor of Arts Program, students will be able to-	
PO-1	Demonstrate a blend of conventional discipline knowledge and its applications to the modern world. Execute strong theoretical and practical understanding generated from the chosen programme and equip the students with a strong academic perspective.	Disciplinary Knowledge
PO-2	Exhibit the skill of critical thinking and use higher order cognitive skills to approach problems situated in their social environment, propose feasible solutions and help in its implementation. The students will be able to comprehend, learn, process and apply knowledge in day to day life.	Critical Thinking, Cognitive skills and Problem Solving
PO-3	Ability to analyse and evaluate different concepts of problems of society and make students able to develop oral and written communication skills in literature.	Analytical Skills and Effective Communication
PO-4	Equip with strong work attitudes and Employment skills that will enable them to work independently as well as collaboratively. Seeks opportunity for research and higher academic achievements in the chosen field and allied subjects.	Competencies for employment and Research
PO-5	Able to work collaboratively and effectively with diverse groups towards personal and common goals. Develop leadership qualities among the learners.	Individuality and Teamwork
PO-6	Demonstrate empathetic social concern and equity centred national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics as well as to accomplish their duties and responsibilities as citizens successfully.	Effective Citizenship and Ethics
PO-7	Express oneself clearly and precisely to build good interpersonal relationships in personal and professional life.	Social competence
PO-8	Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of, and need for environmental conservation and sustainability through action.	Environment sustainability
PO-9	Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.	Self-directed and Life-long learning
PO-10	Help students to share gifts, pursue justice and demonstrate through communicative solutions, concern for the poor and marginalised.	Community engagement



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Program Specific Outcomes (PSOs)

PSO No.	PSOs Statement	Knowledge and Skill
	After completing the Bachelor of Arts Program, students will be able to-	
PSO-1	Explain the concepts of physical and human Geography. Evaluate the environmental concerns and able to provide the sustainable solutions.	Disciplinary knowledge and social interaction
PSO-2	Analyse and interpret the geographical data for research.	Critical thinking and problem solving
PSO-3	Acquire skills to use modern instruments and technology in Geography and its applications.	Scientific reasoning and research related skills

Semester-III



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for S.Y.B.A. (Geography) Semester- III

Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR3GE3

Course Title: Introduction to Climatology

Course Type: Major-III

No. of Credits: 03

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the nature, scope, branches and concepts of climatology as well as the structure of atmosphere. (Level-I- Remembering and Level- II- Understanding, Level-V- Evaluating)
CO-2	Understand the weather phenomena, winds and upper air circulation. (Level- II- Understanding, Level-III- Applying)
CO-3	Understand the concept of humidity, condensation, precipitation and analyse the distribution of rainfall. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

S.Y.B. A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- III

INTRODUCTION TO CLIMATOLOGY

Course Code: UAR3GE3

(Credit- 03)

Unit-I : Introduction to Climatology		No. of Lectures
1.1	Definitions, Nature, Scope and Importance	15
1.2	Branches of Climatology	
1.3	Concept and Elements of Weather and Climate	
1.4	Insolation and Temperature	
Unit-II : Air Pressure and Atmospheric Circulation		15
2.1	Air pressure: Concept, Types and influencing factors	
2.2	Horizontal and Vertical distribution of air pressure	
2.3	Wind: Types of Winds; Global, Regional and Local	
2.4	Cyclones and Anti-cyclones: Tropical and Temperate	
Unit-III : Humidity and Precipitation		15
3.1	Humidity: Types - Absolute, Relative and Specific	
3.2	Condensation and its forms	
3.3	Precipitation and its types	
3.4	Spatial Distribution of Rainfall-World	

Reference Books:-

1. Ahrens, C.D. (2012): Essentials of Meteorology: An Invitation to the Atmosphere; Cengage Learning, Boston
2. Ahrens, C.D., Jackson, P.L., Jackson, C.E.J. and Jackson, C.E.O. (2012): Meteorology Today: An Introduction to Weather, Climate and the Environment; Cengage Learning; Boston
3. Barry, R.G. and Chorley, R.J. (2003): Atmosphere, Weather and Climate; Psychology Press, Hove; East Sussex.
4. Chawan S.V. (ed) (2015): Physical Geography, Paper I, Published by Director (I/C), Institute of Distance and Open Learning, University of Mumbai.
5. Critchfield, H.J., (1975): general Climatology, Prentice Hall, New Jersey.

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6. Lal D.S. (1997): Climatology; Sharda Pustak Bhavan; Allahabad
7. Lydolph, P.E.(1985): The Climate of the Earth, Rowman Nad Allanheld, Totowa, New Jersey.
8. Mather,J.R.(1974): Climatology: Fundamentals and Applications; Mc Craw Hill Book Co., U.S.A.
9. Matthews, W. H., Kellogg, W., Robinson, G.D. (1971): Man's Impact on Climate; M.I.T. Press Design Dept. U.S.A.
10. Oliver, J.E. (1993): Climatology: An Atmospheric Science, Pearson Education India, New Delhi
11. Rosenberg, N.J., Blad, B.L., Verma, S.B.(1983): Micro-climate Biological Environment; John Wiley & Sons, U.S.A.
12. Rumney, G.R. (1968): Climatology and the World Climates, Macmillan, London.
13. Shinde P. ; Pednekar H. et.al. (2010): Introduction to Geography, Sheth Publishers Pvt.Ltd., Mumbai.
14. Subrahmanyam, V.P. (ed) (1983): Contributions to Indian Geography a) Vol III- General Climatology, b) Volume IV- Applied Climatology. Heritage Publishers, New Delhi.
15. Trewartha, G.T. (1980): An Introduction to Climate; McGraw Hill, New York, 5th edition, (International Student Edition)



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Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR3GE4

Course Title: Physical Geography of India

Course Type: Major-IV

No. of Credits: 03

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the physiographic divisions of India and its importance. (Level- I- Remembering, Level-II- Understanding, Level-V- Evaluating)
CO-2	Understand and analyse the drainage system and explain the types of seasons in India. (Level-II- Understanding, Level-IV- Analysing and Level-V- Evaluating)
CO-3	Understand and Explain the soil, forest and mineral resources in India and to evaluate the conservation methods. (Level-II- Understanding and Level-V- Evaluating)



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Choice Based Credit System (CBCS)

S.Y.B. A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- III

PHYSICAL GEOGRAPHY OF INDIA

Course Code: UAR3GE4

(Credit- 03)

Unit-I : Introduction of India		No. of Lectures
1.1	India: Location , Extent, Physiographic Divisions and Significance	15
1.2	Mountainous Regions of India	
1.3	North Indian Plains and Plateau	
1.4	Coastal Plains and Islands	
Unit-II : Drainage System and Seasons		15
2.1	Himalayan Rivers of India	
2.2	Peninsular Rivers of India	
2.3	Lakes of India	
2.4	Seasons in India	
Unit-III : Soils, Natural Vegetation and Mineral Resources		15
3.1	Soils of India: Importance, Types, Formation and Conservation	
3.2	Forest in India: Importance, Classification and Conservation	
3.3	Mineral Resources (Iron ore, Manganese, Bauxite, Mica and other important minerals)	
3.4	Power Resources (Coal, Mineral Oil and Natural Gas and Hydro, Wind, Solar, Tidal)	

Reference books:-

1. Deshpande C.D. (1992): India: A Regional Interpretation, Northern Book Centre,
2. New Delhi.
3. Bharucha, F.R. (1983): A text book of the plant geography of India,
4. Oxford University Press, Bombay.
5. Dikshit, K.R.(1991): Environment, Forest Ecology and man in the Western Ghats- The Case of Mahabaleshwar Plateau, Rawat Publications, NewDelhi.
6. Forest Survey of India: State Forests Reports, Dehradun.
7. Khullar, D.R. (2014): India: A Comprehensive Geography; Kalyani Publishers
8. Miller, R.W. et al. (1995): Soil in Our Environment, Prentice hall, U.S.A.
9. Raychudhari, S.P.(1958): Soils of India, ICAR, New Delhi
10. Robinson, F (ed.) (1989): The Cambridge Encyclopaedia of India, Pakistan, Bangladesh

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- and Sri Lanka, Cambridge University Press.
11. Savindra Singh (2006) : Physical Geography of India ; Pravalika Publications, Allahabad.
 12. Allahabad.
 13. Sharma T.C. (2013) Economic Geography of India; Rawat Publications, New Delhi.
 14. परमार राजेंद्र (२०१६) भारताचा प्राकृतिक भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
 15. घारपुरे विठ्ठल (२०१४) भारताचा भूगोल, पिंपळापुरे अँड पब्लिशर्स, नागपूर
 16. पेडणेकर, नारखेडे व इतर (२०१७) भारताचा प्राकृतिक भूगोल, शेठ पब्लिशर्स प्रायव्हेट लिमिटेड, मुंबई.
 17. परमार राजेंद्र, बोरसे सुधाकर व इतर (२०२२) भारताचा भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.



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Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR3GE5

Course Title: Indian Knowledge System in Geography

Course Type: IKS Major-V

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Develop an understanding of how ancient Indian civilizations perceived and interpreted geographical phenomena. . (Level I-Remembering, Level-II- Understanding and Level-V- Evaluating)
CO-2	Analyse the interaction between cultural beliefs, environmental perceptions, and their influence on geographic knowledge in ancient India. . (Level-2- Understanding, Level IV- Analysing and Level-V- Evaluating)
CO-3	Foster an appreciation of how geography interacts and interlinks with other social sciences in ancient Indian traditions (Level-II- Understanding, Level-IV- Analysing and Level-V- Evaluating)
CO-4	Enhance the ability to critically evaluate ancient texts and ideas to draw parallels with modern geographical practices and principles. (Level-II- Understanding, Level-IV- Analysing)



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S.Y.B.A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- III

INDIAN KNOWLEDGE SYSTEM IN GEOGRAPHY

Course Code: UAR3GE5

(Credit- 02)

Title of the Unit		Hours
UNIT-I:		
1.1	Introduction to Ancient Indian: Introduction to early Indian Scholars and Their Contributions to Geography.	15
1.2	Ancient Indian cosmology: The concept of the Universe, Time Cycles (Yugas), The Idea of the Earth's shape and Structure as Depicted in Ancient Texts.	
1.3	Concepts of the Sacred and Symbolic Geography- Mount Meru, Jambudvipa, and the Four Quarters of the Earth.	
1.4	Environmental Perception and Sacred Landscapes: i. The Interplay Between Geography and Religion in Ancient India. ii. The Significance of Rivers, Mountains and Forests in Ancient Geographical Thought. iii. Pilgrimage Routes and the Concept of Tirthas	
UNIT-II:		
2.1	i. Kautilya's Arthashastra and its Geographical Implications. ii. Territorial Organization: Janapadas (Territorial Units), and Resource Distribution. iii. Strategic Geography: The Role of Geography in Warfare, Defense, and Diplomacy.	15
2.2	Trade Routes: Land and Maritime Routes Connecting India to World, The Role of Geography in the Economic Prosperity of Ancient Indian civilizations.	
2.3	Urban Planning: Principles of Urban Planning as seen in Ancient Texts and Archaeological Evidence, The Relationship Between Geography and the Development of Urban Centers.	
2.4	The Geographical Layout of Ancient Cities: Harappa, Mohenjo-Daro, Lothal and Kalibanga.	

Reference:

1. D.P. Agarwal and S.P. Agarwal (1981): Geography of Ancient India: A gazetteer of the Ancient Indian World.
2. Bimala Churn Law (1937): Historical Geography of Ancient India.
3. A.S. Gaur (1987): Geography of India in Ancient Period.
4. Poonam Dalal Dahiya (2018): Geography of Ancient India.
5. B. Subbarao Cosmology and Geography in Early Indian Literature.
6. The Arthashastra of Kautilya" (translated by R. Shamasastry).
7. Rana P.B. Singh-Geographical Thoughts in India: A Chronological Analysis.
8. Ancient Indian Tradition and Mythology" (Puranas, various volumes, translated by G. P. Bhatt).
9. Rajesh Kochhar -The Vedic People: Their History and Geography.
10. G. Fussman- India in the Ancient World: From the Beginnings to the End of the Maurya Empire.
11. Diana L. Eck-Sacred Geography of India.



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Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: USEC3TTG3

Course Title: Tools and Techniques in Geography-I

Course Type: SEC-III

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understanding Maps, its types, learning map scales, its calculations, practicing and constructing projection for drawing maps. (Level-II- Understanding, Level-III- Applying, Level-IV- Analysing and Level-V- Evaluating)
CO-2	Learning, analysing the enlargement and reduction of maps, understanding measurements of maps, learning methods of representation. Understanding slopes and its measurements in Intervisibility. (Level-II- Understanding, Level-III- Applying and Level-V- Evaluating)



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S.Y.B.A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- III

TOOLS AND TECHNIQUES IN GEOGRAPHY-I

Course Code: USEC3TTG3

(Credit- 02)

Title of the Unit		Hours
UNIT-I: Map and Map Scale		15
1.1	Globe and Map: Definition, History and Elements	
1.2	Classification, Importance and Construction of Map	
1.3	Map Scale: Definition, Types, Conversion and Construction of scale	
1.4	Projection: Definition, Basic concepts, Types and Construction	
UNIT-II: Map Enlargement, Reduction and Relief		15
2.1	Enlargement and Reduction of Map	
2.2	Area calculation with square method and strip method	
2.3	Methods of representation of relief on the map, Types of Slope and landforms	
2.4	Drawing of section to depict contour landforms- Intervisibility	

Reference Books:

1. Ahirrao Y., Karanjkehele E. K., 2002, Practical Geography, Sudarshan Publication, Nashik
2. Kanetkar T. P., Kulkarni S. V., 1986, Surveying and Leveling, Pune Vidyarthi Griha Publication, Pune
3. Karlekar S. N., 2008, Statistical Methods, Diamond Publication, Pune
4. Kumbhare A., Practical Geography,
5. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised).
6. NCERT - Textbook for Class-12, Practical Work in Geography Part II
7. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001
8. Robinson A.H. - Elements of Cartography, Wiley
9. Saha P., Basu P., 2007, Advanced Practical Geography, Books and Allied (P) Ltd, Kolkata
10. Saptarshi P. G., Jog S. R., Statistical Methods ,

11. Sarkar A., 2015, Practical Geography: A Systematic Approach, Orient Black Swan Private Ltd., New Delhi
12. Sharma J. P., 2010, Prayogic Bhugol, Rastogi Publishers, Meerut.
13. Singh R. L. and Singh R. P. B., 1999, Elements of Practical Geography, Kalyani Publishers.
14. Slocum T. A., McMaster R. B. and Kessler F. C., 2008, Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
15. Tyner J. A., 2010, Principles of Map Design, The Guilford Press.

Semester-IV



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Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR4GE6

Course Title: Introduction to Oceanography

Course Type: Major-VI

No. of Credits: 03

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Explain the origin, nature, scope and branches of Oceanography. (Level- I- Remembering, Level-II- Understanding)
CO-2	Explain the structure of ocean floor, composition, temperature and salinity of ocean water and ocean currents. (Level- I-Remembering, Level-II- Understanding, Level-V Evaluating)
CO-3	Explain the oceanic phenomenon and the marine ecosystem. (Level-II- Understanding, Level-V Evaluating)



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Choice Based Credit System (CBCS)

S.Y.B. A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- IV

INTRODUCTION TO OCEANOGRAPHY

Course Code: UAR4GE6

(Credit- 03)

Unit-I : Nature of Oceanography		No. of Lectures
1.1	Oceanography : Concept, Nature, Scope and Branches	15
1.2	Characteristic of Oceans	
1.3	Temperature of Ocean Waters: Factors and distribution	
1.4	Salinity of Ocean Water: Factors and distribution	
Unit-II : Coast and Characteristics of Ocean Water		15
2.1	Types of Coast	
2.2	Ocean Floor Deposits	
2.3	Waves- Formation and Types	
2.4	Concept and Types of Tides	
Unit-III : Movements of Ocean Water and Marine Ecosystem		15
3.1	Ocean Currents – Types, Distribution and Effects of Ocean Currents	
3.2	Tsunami and their Effects on Coast	
3.3	Coral Reefs and their Importance	
3.4	Marine Ecosystem and Marine Pollution: Types and Characteristics	

Reference books:-

1. Bhatt, J.J. 91978): Exploring the Planet Ocean, D.Von Nostrand Co.New York.
2. Birla Economic Research Foundation, economic Research Division 91992): The Oceans, Allied Publishers Ltd. New Delhi.

3. Chandra, S. and Others (eds).(1993): The Indian Ocean and its islands: Strategic Scientific and Historical perspectives, sage Publications, New Delhi.
4. Chawan S.V. (ed) (2015): Physical Geography, Paper I, Published by Director (I/C), Institute of Distance and Open Learning, University of Mumbai.
5. Fairbridge, R.W.ed) Encyclopeadia of Oceanography, Reinholt, New York.
6. Sharma, R.C. (ed)(1985): The Oceans: realities and Prospects, Rajesh Publications, New Delhi.
7. Sengupta,R. and Desa E,(eds) (2001): The Indian Ocean: A Perspective Vol.,I and II Oxford and IBH Publishing Company Private Limited, New Delhi.
8. Paul, P.R.(1998): Invitation to Oceanography, Jones and Bartlett Publishing, Sudbury, Massachusetts.
9. Rajgopalan, R (ed) (1996): Voices for Oceans, A Report to the Independent World Commission on the Oceans, International Ocean Institute, Operational centre, Madras, India.
10. Qasim, S.Z(1998): Glimpses of Indian Ocean, Universities Press(India) Limited, Hyderabad.



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Choice Based Credit System
Under New Education Policy (NEP) 2020 (Revised)
(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UAR4GE7

Course Title: Geography of Maharashtra

Course Type: Major-VII

No. of Credits: 03

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the location, administrative setup and geographical personality of Maharashtra. (Level-II-Understanding and Level-IV- Analysing)
CO-2	Explain the drainage and climate in Maharashtra. (Level-II-Understanding, Level-IV- Analysing, and Level-V Evaluating)
CO-3	Explain the agriculture, fisheries and livestock resources in Maharashtra and to evaluate the recent issues and policies of them. (Level-II-Understanding ,Level-IV- Analysing, and Level-V Evaluating)



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S.Y.B. A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- IV

GEOGRAPHY OF MAHARASHTRA

Course Code: UAR4GE7

(Credit- 03)

Unit-I : Maharashtra: Geographical Setting		No. of Lectures
1.1	Location, Extent and Boundaries and Administrative Setup And Divisions	15
1.2	Relief	
1.3	Climate	
1.4	Drainage system	
Unit-II : Natural and Human Resources		15
2.1	Soils and Natural Vegetation	
2.2	Minerals and Power Resources	
2.3	Population Growth and Distribution	
2.4	Structure of population : Age-sex, Occupation, Education	
Unit-III :Agriculture, Fishing and Livestock Resources		15
3.1	Salient features of agriculture	
3.2	Agricultural regions, recent issues and policies	
3.3	Fisheries: Types, recent issues and policies	
3.4	Livestock resources: Types, recent issues and policies	

References:

1. Arunachalam B., (1967), Maharashtra – A study in Physical and Regional Setting, Sheth and Co., Mumbai.
2. Bhamare, S.M., (2013). Geography of Maharashtra, Prashant Publication, Jalgaon.
3. Dasatane S., (1992). Glimpse of Maharashtra. Dasatane Ramchandra and Co., Pune.
4. Deshpande, C. D.,(1971). Geography of Maharashtra. National Book Trust, New Delhi.
5. Diddee, J., et al. (2002). Geography of Maharashtra, Rawat Publication, Jaipur.
6. Dixit, K.R., (1986). Maharashtra in Maps. Maharashtra State Board for Literature and Culture Mantralaya, Bombay (Mumbai).

7. Gadgil G. and Deshpande A., (1988), Maharashtra- Problems, potentials and prospects., Somaiya Publications, Mumbai.
8. Magar Jaykumar (2001). Bharatacha Bhugol. Vidya Publishers, Nagpur. (Marathi)
9. Patil, S. B., (2019). Geography of Maharashtra, Prashant Publication, Jalgaon.
10. Sarang Subhashchandra, (1997). Maharashtracha Bhugol, Vidya Prakashan, Nagpur. (Marathi)
11. Savadi, A.B., (2020). The Mega State -Maharashtra. Nirali Prakashan, Pune.
12. Singh, R. L., (2012). India: A Regional Geography, National Geographical Society of India (NGSI), Banaras.



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Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR4GE8

Course Title: Tools and Techniques in Geography-II

Course Type: Major-VIII

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understanding Topographical maps, its reading and interpretation. (Level-II- Understanding, Level-III- Applying, Level-IV- Analysing and Level-V- Evaluating)
CO-2	Understanding and evaluating various Weather maps, instruments, and constructing various graphs. (Level-II- Understanding, Level-III- Applying, Level-V- Evaluating and Level- VI Creating)



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S.Y.B.A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- IV

TOOLS AND TECHNIQUES IN GEOGRAPHY-II

Course Code: UAR4GE8

(Credit- 02)

Title of the Unit		Hours
UNIT-I: Indian Topographical Sheets/Maps		15
1.1	Introduction of Topo sheets and types, Sign and Symbols	
1.2	Topographical Maps and Use of colors on map	
1.3	Reading and Interpretation of Topographical Maps-Physical Factors	
1.4	Reading and Interpretation of Topographical Maps- Cultural Factors	
UNIT-II: Weather Maps and Instruments		15
2.1	Weather Maps: Types and Sign and Symbols	
2.2	Indian Daily Weather Reports : Introduction, Reading and Interpretation	
2.3	Weather Instruments	
2.4	Construction of Graphs- Climograph, Hythergraphs and Wind Rose	

Reference Books:

1. Ahirrao Y., Karanjkehele E. K., 2002, Practical Geography, Sudarshan Publication, Nashik
2. Kanetkar T. P., Kulkarni S. V., 1986, Surveying and Leveling, Pune Vidyarthi Griha Publication, Pune
3. Karlekar S. N., 2008, Statistical Methods, Diamond Publication, Pune
4. Kumbhare A., Practical Geography,
5. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised).
6. NCERT - Textbook for Class-12, Practical Work in Geography Part II
7. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001
8. Robinson A.H. - Elements of Cartography, Wiley
9. Saha P., Basu P., 2007, Advanced Practical Geography, Books and Allied (P) Ltd, Kolkata
10. Saptarshi P. G., Jog S. R., Statistical Methods ,

11. Sarkar A., 2015, Practical Geography: A Systematic Approach, Orient Black Swan Private Ltd., New Delhi
12. Sharma J. P., 2010, Prayogic Bhugol, Rastogi Publishers, Meerut.
13. Singh R. L. and Singh R. P. B., 1999, Elements of Practical Geography, Kalyani Publishers.
14. Slocum T. A., McMaster R. B. and Kessler F. C., 2008, Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
15. Tyner J. A., 2010, Principles of Map Design, The Guilford Press.



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Choice Based Credit System
Under New Education Policy (NEP) 2020 (Revised)
(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UCEP4CEP

Course Title: Community Engagement Project

Course Type: CEP

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	To understand the social, economic, and cultural dynamics within various communities in fostering social change and improving quality of life
CO-2	To promote principles of social justice, equity, and inclusion in community development practice

Revised Scheme of Examination

Faculty of Arts

(Under-graduate Programmes)

Choice Based Credit System (CBCS)

❖ Revised Scheme of Examination

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 40% marks in the first component by conducting the Semester End Examinations with 60% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below:-

A) Internal Assessment: 40 %

40 Marks

Sr. No.	Particular	Marks
01	One periodical class test / online examination to be conducted in the given semester	20 Marks
02	Group/ Individual Survey Project/Presentation and write up on the selected topics of the subjects/Case studies / Test based on tutorials /Book Review /Poetry Appreciation/ Open Book Test	15 Marks
03	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05 Marks

Question Paper Pattern

(Periodical Class Test)

Maximum Marks: 20

Duration: 40 Minutes

Questions to be set: 03

All Questions are Compulsory

Question No.	Particular	Marks
Q-1	Match the Column / Fill in the Blanks / Multiple Choice Questions/ Answer in One or Two Lines (Concept based Questions) (1 Marks / 2 Marks each)	10 Marks
Q-2	Answer in Brief (Attempt any Two of the Three) (5 Marks each)	10 Marks

B) Semester End Examination: 60 %

- Duration: The examination shall be of 2 hours duration.

Question Paper Pattern for 03 Credits

Class:		Duration: 2 Hrs.
Sub.: Geography		Marks: 60
Paper No.:		Date:
N.B. - 1] All questions are compulsory. 2] Give example and draw diagrams wherever necessary. 3] Use of map stencil and simple calculator is allowed.		
1.	Unit I (Broad Question)	[15]
	OR	
1.	Unit I (Broad Question)	[15]
2.	Unit II (Broad Question)	[15]
	OR	
2.	Unit II (Broad Question)	[15]
3.	Unit III (Broad Question)	[15]
	OR	
3.	Unit III (Broad Question)	[15]
4.	Write Any Two Short Notes of the following	[15]
	A. Unit I B. Unit II C. Unit III	

➤ **Passing Standard**

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of Grade D, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

Question Paper Pattern for 02 Credits

Class:		Duration: 1 Hr.
Sub.: Geography		Marks: 30
Paper No.:		Date:
N.B. - 1] All questions are compulsory. 2] Give example and draw diagrams wherever necessary. 3] Use of map stencil and simple calculator is allowed.		
1.	Choose the correct options and fill in the blanks:	[10]
2.	Unit I (Broad Question)	[10]
	OR	
2.	Unit I (Broad Question)	[10]
3.	Unit II (Broad Question)	[10]
	OR	
3.	Unit II (Broad Question)	[10]

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Academic Council Date – 28/04/2025

Item No.- 05



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited A++ Grade by NAAC (Fourth Cycle-CGPA-3.52)
'College with Potential for Excellence' Status Awarded by UGC
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As per National Education Policy – 2020 (Revised)

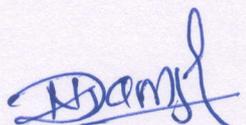
Title of the Programme

B. Sc.

(OPEN ELECTIVE)

Syllabus for S.Y.B.Sc. Semester III and IV

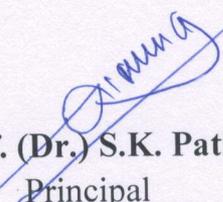
(With effect from the Academic Year 2025-26)



Dr. D. S. Narkhede
Chairman

Board of Studies in Geography




Prof. (Dr.) S.K. Patil
Principal

Changu Kana Thakur A.C.S. College
New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy – 2020 (Revised-2024)

Sr. No.	Heading	Particulars
1	Title of program	Bachelor of Arts
2	Eligibility	F.Y.B.Sc. of all recognized Universities
3	Duration of program	One Year
4	Intake Capacity	120
5	Scheme of Examination	External- 60 Marks Internal -40 Marks
6	Standards of Passing	40%
7	Semesters	III and IV
8	Program Academic Level	U.G.
9	Pattern	Semester (60:40)
10	Status	Revised
11	To be implemented from Academic Year	Academic Year 2025-26

Dr. D.S. Narkhede
Head, Department of Geography
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)



Prof. (Dr.) S.K. Patil
Principal
Changu Kana Thakur
A.C.S. College,
New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Preamble

Introduction

Bachelor of Arts (B.A.) in Geography is a under graduation course of Department of Geography, Changu Kana Thakur Arts, Commerce & Science college, New Panvel (Autonomous). The college has implemented the Revised National Education Policy 2020 from the Academic Year 2024-25 and Geography is one of the major subject offered by the college. The Choice Based Credit System to be implemented through this curriculum would allow students to develop a strong footing in the fundamentals and specialize in the disciplines of his/her liking and abilities. This syllabus is prepared to give the sound knowledge and understanding of Geography to undergraduate students at first year of the B.A. degree course. The syllabus is prepared to determine and analyse knowledge of the facts, processes, and methods of Geography. The content of syllabus will expose the students to various emerging new areas of Geography and acquaint them with their prevalent in their future studies and their applications in society. Department also offers Vocational Skill Courses (VSC) and Skill Enhancement Courses (SEC) for the students and, through this courses students will acquire geographic analytical skills that can be applied to a variety of research and professional tasks where the analysis of spatial information is required.

Abbreviations Used

- POs : Program Outcomes
- PS : Program Structure
- PSOs : Program Specific Outcomes
- COs : Course Outcomes
- TLP : Teaching-Learning Process
- AM : Assessment Method
- DSC : Discipline Specific Core
- DSE : Discipline Specific Elective
- GE : Generic Elective
- OE : Open Elective
- VSC : Vocational Skill Course
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- IKS : Indian Knowledge System
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- CEP : Community engagement and service
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- RM : Research Methodology
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- MJ : Major Course
- MN : Minor Course



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for S.Y.B.Sc. Semester- III

Choice Based Credit System

Under New Education Policy (NEP) 2020 (Revised)

(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: For S.Y.B.Sc. UOE3PGI2

Course Title: Physical Geography of India

Course Type: Open Elective (OE-II)

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the physiographic divisions of India and its importance. (Level-II- Understanding)
CO-2	Understand and analyze the drainage system in India. (Level-II- Understanding and Level-IV- Analyzing)
CO-3	Explain the types of seasons, soil and forest in India and to evaluate the conservation methods. (Level-II- Understanding, Level-IV- Analyzing and Level-V- Evaluating)
CO-4	Classify and explain the minerals and power resources in India. (Level-II- Understanding, Level-IV- Analyzing and Level-V- Evaluating)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

S.Y.B.Sc. Semester- III Syllabus

To be implemented from the Academic year 2025-26 (Revised)

PHYSICAL GEOGRAPHY OF INDIA

Course Code: For S.Y.B.Sc. UOE3PGI2

(Credit- 04)

Title of the Unit		No. of Hours
Unit I: India- Physiography, Drainage		
1.1	Location, extent and significance	15
1.2	Major physiographic divisions	
1.3	Rivers: Himalayan Rivers and Rivers on peninsular plateau	
1.4	Lakes: Saltwater and Fresh water	
Unit-II: Climate and Seasons		
2.1	Climate : Factors influencing on climate	15
2.2	Mechanism of Monsoon	
2.3	El-Nino and La-Nina and their impact	
2.4	Seasons in India	
Unit-III Soil and Forest Resources		
3.1	Soil :Types and Distribution	15
3.2	Soil : Issues and Conservation	
3.3	Forest :Types and Distribution	
3.4	Forest :Issues and Conservation	
Unit-IV- Minerals and Power Resources		
4.1	Minerals Resources : Classification and Distribution	15
4.2	Major Metallic and non-metallic minerals	
4.3	Power Resources -Types and Distribution of conventional Resources	
4.4	Power Resources -Types and Distribution of Non-conventional Resources	

Reference:-

1. Deshpande C.D. (1992): India: A Regional Interpretation, Northern Book Centre, New Delhi.
2. Bharucha, F.R. (1983): A text book of the plant geography of India, Oxford University Press, Bombay.
3. Dikshit, K.R.(1991): Environment, Forest Ecology and man in the Western Ghats- The Case of Mahabaleshwar Plateau, Rawat Publications, NewDelhi.
4. Forest Survey of India: State Forests Reports, Dehradun.
5. Khullar, D.R. (2014): India: A Comprehensive Geography; Kalyani Publishers
6. Miller, R.W. et al. (1995): Soil in Our Environment, Prentice hall, U.S.A.
7. Robinson, F (ed.) (1989): The Cambridge Encyclopedia of India, Pakistan, Bangladesh and Sri Lanka, Cambridge University Press.
8. Savindra Singh (2006) : Physical Geography of India ; Pravalika Publications, Allahabad.
9. Sharma T.C. (2013) Economic Geography of India; Rawat Publications, New Delhi.
11. परमार राजेंद्र (२०१६) भारताचा प्राकृतिक भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.
12. घारपुरे विठ्ठल (२०१४) भारताचा भूगोल ,पिंपळापुरे अँड पब्लिशर्स, नागपूर
13. पेडणेकर, नारखेडे व इतर (२०१७) भारताचा प्राकृतिक भूगोल, शेठ पब्लिशर्स प्रायव्हेट लिमिटेड, मुंबई.
14. परमार राजेंद्र, बोरसे सुधाकर व इतर (२०२२) भारताचा भूगोल, हिमालय पब्लिशिंग हाउस, मुंबई.



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for S.Y.B.Sc. Semester- IV
Choice Based Credit System
Under New Education Policy (NEP) 2020 (Revised)
(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: For S.Y.B.Sc. UOE4HGI3

Course Title: Human Geography of India

Course Type: Open Elective (OE-III)

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course, students will be able to-
CO-1	Understand the Agriculture, Animal Husbandry and Fishing in India (Level-II- Understanding)
CO-2	Understand and analyze the Industries in India. (Level-II- Understanding and Level-IV- Analyzing)
CO-3	Explain the Transport and Trade pattern, (Level-II- Understanding and Level-V- Evaluating)
CO-4	Explain the Regional Development and Contemporary Issues in India. (Level-II- Understanding, Level-IV- Analyzing and Level-V- Evaluating)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

S.Y.B.Sc. Semester- IV Syllabus

To be implemented from the Academic year 2025-26 (Revised)

HUMAN GEOGRAPHY OF INDIA

Course Code: For S.Y.B.Sc. UOE4HGI3

(Credit- 04)

Title of the Unit		No. of Hours
Unit I: India- Agriculture, Animal Husbandry and Fishing		15
1.1	Agriculture: Features, agricultural types and major crops	
1.2	Agriculture: New trends in Agriculture and issues	
1.3	Animal Husbandry: Characteristics, Types and Distribution	
1.4	Fishing: Types, Distribution and Characteristics	
Unit-II: Industries		15
2.1	Industry: Locational factors	
2.2	Major industrial regions and Special Economic Zones (SEZ)	
2.3	Manufacturing in India: Types, Opportunities and Challenges	
2.4	Make in India Campaign	
Unit-III: Transport and Trade		15
3.1	Development of transport network: Roads and Railways	
3.2	Development of transport network: Airways, Waterways and Pipelines	
3.3	Trade: Sectorial Distribution and Exports and Imports of India	
3.4	Trade policy of India and export processing zones	
Unit-IV: Regional Development and Contemporary Issues		15
4.1	Five year plans and NITI Aayog	
4.2	International boundaries and related issues	
4.3	Geopolitics of South Asia and Indian ocean realm	
4.4	Issues related to environment: Pollution, deforestation, desertification	

Reference:-

1. Deshpande C.D. (1992): India: A Regional Interpretation, Northern Book Centre, New Delhi.
2. Bharucha, F.R. (1983): A text book of the plant geography of India, Oxford University Press, Bombay.
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Revised Scheme of Examination

Faculty of Arts

(Under-graduate Programmes)

Choice Based Credit System (CBCS)

❖ Revised Scheme of Examination

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 40% marks in the first component by conducting the Semester End Examinations with 60% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below:-

A) Internal Assessment: 40 %

40 Marks

Sr. No.	Particular	Marks
01	One periodical class test / online examination to be conducted in the given semester	20 Marks
02	Group/ Individual Survey Project/Presentation and write up on the selected topics of the subjects/Case studies / Test based on tutorials /Book Review /Poetry Appreciation/ Open Book Test	15 Marks
03	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05 Marks

Question Paper Pattern for 04 Credits

Class:		Duration: 2 Hrs.
Sub.: Geography		Marks: 60
Paper No.:		Date:
N.B. - 1] All questions are compulsory. 2] Give example and draw diagrams wherever necessary. 3] Use of map stencil and simple calculator is allowed.		
1.	Unit I (Broad Question)	[15]
OR		
1.	Unit I (Broad Question)	[15]
OR		
2.	Unit II (Broad Question)	[15]
OR		
2.	Unit II (Broad Question)	[15]

3.	Unit III (Broad Question)	[15]
	OR	
3.	Unit III (Broad Question)	[15]
4.	Unit III (Broad Question)	[15]
	OR	
4.	Unit III (Broad Question)	[15]

➤ **Passing Standard**

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of Grade D, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

Academic Council Date – 28/04/2025

Item No.- 05



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CHANGU KANA THAKUR
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As per National Education Policy - 2020

Title of the Programme

B. A. in Geography

(Faculty of Arts)

Syllabus for T.Y.B.A. (Geography)

Semester V and VI

(With effect from the academic year 2025-26)

Dr. D. S Narkhede
Chairman

Board of Studies in Geography



Prof. (Dr.) S.K. Patil
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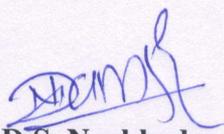
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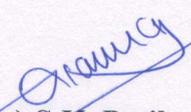
Arts, Commerce and Science College, New Panvel (Autonomous)

As per National Education Policy – 2020

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7	Semesters	V and VI
8	Program Academic Level	U.G.
9	Pattern	Semester (60:40)
10	Status	Revised
11	To be implemented from Academic Year	Academic Year 2025-26


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Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

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- MN : Minor Course



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Program Outcomes (POs)

PO No.	POs Statement	Knowledge and Skill
	After completing the Bachelor of Arts Program, students will be able to-	
PO-1	Demonstrate a blend of conventional discipline knowledge and its applications to the modern world. Execute strong theoretical and practical understanding generated from the chosen programme and equip the students with a strong academic perspective.	Disciplinary Knowledge
PO-2	Exhibit the skill of critical thinking and use higher order cognitive skills to approach problems situated in their social environment, propose feasible solutions and help in its implementation. The students will be able to comprehend, learn, process and apply knowledge in day to day life.	Critical Thinking, Cognitive skills and Problem Solving
PO-3	Ability to analyse and evaluate different concepts of problems of society and make students able to develop oral and written communication skills in literature.	Analytical Skills and Effective Communication
PO-4	Equip with strong work attitudes and Employment skills that will enable them to work independently as well as collaboratively. Seeks opportunity for research and higher academic achievements in the chosen field and allied subjects.	Competencies for employment and Research
PO-5	Able to work collaboratively and effectively with diverse groups towards personal and common goals. Develop leadership qualities among the learners.	Individuality and Teamwork
PO-6	Demonstrate empathetic social concern and equity centred national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics as well as to accomplish their duties and responsibilities as citizens successfully.	Effective Citizenship and Ethics
PO-7	Express oneself clearly and precisely to build good interpersonal relationships in personal and professional life.	Social competence
PO-8	Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of, and need for environmental conservation and sustainability through action.	Environment sustainability
PO-9	Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.	Self-directed and Life-long learning
PO-10	Help students to share gifts, pursue justice and demonstrate through communicative solutions, concern for the poor and marginalised.	Community engagement

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Program Specific Outcomes (PSOs)

PSO No.	PSOs Statement	Knowledge and Skill
	After completing the Bachelor of Arts Program, students will be able to-	
PSO-1	Explain the concepts of physical and human Geography. Evaluate the environmental concerns and able to provide the sustainable solutions.	Disciplinary knowledge and social interaction
PSO-2	Analyse and interpret the geographical data for research.	Critical thinking and problem solving
PSO-3	Acquire skills to use modern instruments and technology in Geography and its applications.	Scientific reasoning and research related skills

Semester-V



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Syllabus for T.Y.B.A. (Geography) Semester- V
Choice Based Credit System
Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR5GE9

Course Title: Geography of Settlement

Course Type: Major-IX

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the importance, nature and scope of Settlement Geography and types of settlements. (Level-I- Remembering and Level- II- Understanding, Level-V- Evaluating)
CO-2	Explain the origin, growth, classification the distribution, density and variations in rural settlement patterns and morphology in India. (Level- II- Understanding, Level-III- Applying)
CO-3	Explain the origin, growth and classification of urban settlements and examine the models of urban settlement. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Understand the process, problems of urbanization and examine the impacts of urbanization in Indian cities. (Level-I- Remembering, Level- II- Understanding, and Level-V- Evaluating)



Janardan Bhagat Shikshan Prasarak Sanstha's
CHANGU KANA THAKUR



Arts, Commerce and Science College, New Panvel (Autonomous)

Choice Based Credit System (CBCS)

T.Y.B. A. Geography Syllabus

To be implemented from the Academic year 2025-26

SEMESTER- V

GEOGRAPHY OF SETTLEMENT

Course Code: UAR5GE9

(Credit- 04)

UNIT – I: Introduction of Settlement Geography		Hours
1.1	Settlement Geography: definitions, nature and scope	15
1.2	Importance of settlement studies in Geography	
1.3	Factors influencing growth and distribution of settlements	
1.4	Settlement types, their characteristics and differences	
UNIT – II: Geography of Rural Settlements		15
2.1	Origin, Growth, Site and situation of rural settlements	
2.2	Classification of rural settlements	
2.3	Spatial distribution and density of rural settlements and Structure of house and building materials in India	
2.4	Regional variations in rural settlement patterns and Morphology in India	
UNIT – III: Geography of Urban Settlements		15
3.1	Origin and growth of urban settlements	
3.2	Classification of urban settlements on the basis of culture and functions	
3.3	Hierarchy of Urban Settlement: Rank Size Rule and Primate city	
3.4	Christaller's Central Place Theory	
UNIT – IV: Urban Settlements in India		15
4.1	Urbanization in India: Trends, patterns and types of towns based on Census	
4.2	Morphology of urban settlements in India	
4.3	Impact of urbanization on Indian cities	
4.4	Smart city: Concept, need and implementation in India	

References:

1. Deshpande, C. D. (2005): "Cities: A Geographical Study", Translated by V. G. Amrite, Manan Prakashan, Mumbai
2. Gharpure, V. (2013): "Nagari Bhugol", (Marathi) Pimpalpure and Company Publishers, Nagpur
3. Gharpure, V. (2013): "Vasti Bhugol", (Marathi) Pimpalpure and Company Publishers, Nagpur
4. Gharpure, V. (2017): "Manavi Bhugol", (Marathi) Pimpalpure and Company Publishers, Nagpur
5. Ghosh. S. (2015): "Introduction to Settlement Geography", Orient Blackswan Private Limited, Hyderabad
6. Jyptirmoy Sen (2007): "A Text Book of Social and Cultural Geography," Kalyani Publsiher, New Delhi.
7. Knowles, R and Wareing, J. (1996): "Economic and Social Geography", the Made Simple Series, Rupa & Co., Calcutta
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11. Singh, L. R. (2009): "Fundamentals of Human Geography", Sharda Pustak Bhawan, Allahabad
12. Singh, R. Y. (2012): "Geography of Settlements", Rawat Publications, Jaipur
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Choice Based Credit System
Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UAR5GE10

Course Title: Economic Geography

Course Type: Major-X

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Explain the nature, scope branches and approaches of Economic Geography. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-2	Explain and classify human economic activities. (Level- II- Understanding, Level-III- Applying)
CO-3	Explain the mineral resources, industrial development, importance and pattern of transport, international trade and trade organizations. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Explain the levels of economic development and evaluate the impact of globalization, Special Economic Zones and related issues in India. (Level-I- Remembering, Level- II- Understanding and Level-V- Evaluating)



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SEMESTER- V

ECONOMIC GEOGRAPHY

Course Code: UAR5GE10

(Credit- 04)

Unit – 1: Introduction of Economic Geography		Hours
1.1	Definition, Nature and Scope	15
1.2	Branches of Economic Geography	
1.3	Approaches to study Economic Geography and Relation with other social sciences	
1.4	Resources: Concept, Classification and Importance in Economy	
Unit – 2: Economic Activities		15
2.1	Economic Activities: Types and Characteristics	
2.2	Factors Affecting on Economic Activities	
2.3	Agriculture and Lumbering: Types and Distribution	
2.4	Fishing and Animal Husbandry: Types and Distribution	
Unit – 3: Minerals, Industries, Transport and Trade		15
3.1	Minerals: Importance, Characteristics and Distribution	
3.2	Factors Affecting Industrial Locations	
3.3	Major Transport Patterns in the World	
3.4	Patterns of International Trade: Composition and Direction and Major International Trade Organizations:	
Unit – 4: Economic Development of India		15
4.1	Regionalization of India based on Levels of Economic Development	
4.2	Globalization and its impact on Indian economy	
4.3	Special Economic Zones, Geospatial policy and Gatishakti	
4.4	Issues related to Environment and Economic Development in India	

References:

1. Datt, G. And Mahajan, A. (2016): “Datt and Sundaram’s Indian Economy”, S. Chand Publishing, New Delhi
2. Drezee J and Sen A.: “Indian Economic Development and Social Opportunity”, Oxford University Press, London
3. Gautam, A. (2010): “Advanced Economic Geography”, Sharda Pustak Bhawan, Allahabad
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8. Saxena, H. (2016): “Economic Geography”, Rawat Publishers, Jaipur
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Course Structure

Course Code: UAR5GE11

Course Title: Statistical Techniques in Geography-III

Course Type: Major-XI

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Demonstrate an understanding the types of data and able to draw the graphs. Solve the examples of measures of central tendency, dispersion and deviation (Level-II- Understanding, Level-III- Applying and Level-IV- Analysing)
CO-2	Solve the examples of correlation, regression and hypothesis testing. Calculate the point, line and area sampling. (Level- II- Understanding, Level-III- Applying and Level-V- Evaluating)



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To be implemented from the Academic year 2025-26

SEMESTER- V

STATISTICAL TECHNIQUES IN GEOGRAPHY-III

Course Code: UAR5GE11

(Credit- 02)

Unit – I: Nature of data and Measures Central Tendency and Deviation		Hours
1.1	Meaning and types of data, Frequency Distribution, Histogram, Frequency Polygon and Ogive curve	15
1.2	Measures of Central Tendency- mean, median and mode	
1.3	Measures of Deviation: Range, Quartile Deviation, Mean Deviation, and Standard Deviation	
1.4	Time Series Analysis Moving Averages (3 years and 5 years)	
Unit –II: Correlation, Regression & Sampling		15
2.1	Calculation of correlation coefficient - Pearson's and Spearman's methods	
2.2	Regression analysis and Chi square test	
2.3	Sample design in Geography -Point sampling	
2.4	Line sampling and Area Sampling	

References:

1. Ahirrao ani Karanjkehele – प्रात्यक्षिक भूगोल,
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7. Robinson A.H. - Elements of Cartography, Wiley
8. Sarkar Ashis - Practical Geography, Orient Black Swan – 2015
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(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UAR5GEE1

Course Title: Regional Planning and Development

Course Type: Major Elective-I

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the concept, nature and problems associated with Regional Planning (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-2	Explain the concept, types of region and demarcate the planning regions. (Level-II- Understanding, Level-III- Applying)
CO-3	Understand the concept and indicators of development and to explain the strategies and regional disparities in development. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Explain the planning and planning regions, the micro level planning in rural area, backward area and metropolitan planning of India. (Level-I- Remembering and Level- II- Understanding, Level-V- Evaluating)



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To be implemented from the Academic year 2025-26

SEMESTER- V

REGIONAL PLANNING AND DEVELOPMENT

Course Code: UAR5GEE1

(Credit- 04)

UNIT – I: Understanding Regional Planning		Hours
1.1	Planning: Concept, types and need	15
1.2	Regional planning: Concept, nature, relation with Geography	
1.3	Role of surveys and geospatial technology in regional planning	
1.4	Problems associated with regional planning	
UNIT – II: Concept of Region in Planning		15
2.1	Region: Concept, types and delineation	
2.2	Planning Regions: Need, characteristics and hierarchy	
2.3	Demarcation of planning regions: Principles, criteria and methods	
2.4	Perroux's Growth Pole Theory and regional planning	
UNIT – III: Understanding Regional Development		15
3.1	Development: Concept and indicators	
3.2	Regional disparities in development: Concept and measurements	
3.3	Spatial and Non-Spatial Models of Development with Special Reference to Rostow's Model and Myrdal's Model	
3.4	Strategies for regional development	
UNIT – IV: Regional Planning in India		15
4.1	Five-Year Plans and NITI Ayog: Features, achievements and failure	
4.2	Planning regions of India and Multi-level planning in India	
4.3	Micro level planning in rural area and Backward area development Programmes	
4.4	Urban fringe of Indian cities: Problems and planning	

References:

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2. Chandana, R. C. (2016): "Regional Planning and Development", Kalyani Publishers, New Delhi
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9. Tiwari, R. C. (2016): “Geography of India”, Pravalika Publications, Allahabad

Books for further reading:

1. Bhargava, G. (2001): “Development of India’s Urban, Rural, and Regional Planning in 21st Century: Policy Perspective”, Gyan Publishing House, Delhi
2. Datt, G. And Mahajan, A. (2016): “Datt and Sundaram’s Indian Economy”, S. Chand Publishing, New Delhi
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8. Sundaram, K. V. (1989): “Regional Planning and Development: Essays on Space, Society, and Development in Honour of Professor R. P. Misra”, Heritage Publishers, New Delhi
9. Vidyarthi, A. et al (2017): “Understanding India’s New Approach to Spatial Planning and Development: A Spatial Shift?”, Oxford University Press, New Delhi
10. Yojana, Monthly Journal Published in English and Marathi by Government of Maharashtra

IMPORTANT WEBSITES / WEB LINKS:

1. mmrda.maharashtra.gov.in
2. niti.gov.in
3. planningcommission.gov.in
4. yojana.gov.in



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(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UAR5GEE1

Course Title: Biogeography

Course Type: Major Elective-I

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Explain the nature, scope, branches and approaches of Biogeography. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-2	Explain the Structure, components, functions and types of ecosystem and biosphere. (Level-I- Remembering and Level- II- Understanding)
CO-3	Classify the plant community, biotic succession and major plant formation and biomes. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Explain the types, importance, loss and conservation of biodiversity. (Level-I- Remembering, Level- II- Understanding and Level-V- Evaluating)



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To be implemented from the Academic year 2025-26

SEMESTER- V

BIOGEOGRAPHY

Course Code: UAR5GEE1

(Credit- 04)

Unit-I: Introduction to Biogeography		Hours
1.1	Biogeography-Concept, definition, nature and scope	15
1.2	Historical development and branches of Biogeography	
1.3	Approaches in Biogeography	
1.4	Importance of Biogeographic studies	
Unit-II: Ecosystem and Biosphere		15
2.1	Ecology: Concept and Components	
2.2	Ecosystem: Concept, meaning and types	
2.3	Components of ecosystem and ecosystem productivity	
2.4	Biosphere: Concept, meaning, components	
Unit -III: Plant Community		15
3.1	Concept of plant community and classification of plants	
3.2	Biotic succession and climax vegetation	
3.3	Major plant formation and biomes- Tropical	
3.4	Major plant formation and biomes- Temperate	
Unit-IV: Biodiversity		15
4.1	Biodiversity : meaning, importance and types	
4.2	Causes of Biodiversity loss	
4.3	Biodiversity conservation	
4.4	Biosphere reserves of India	

References:

1. Bharucha, E. (2004): "A Textbook for Environmental Studies", University Grants Commission, New Delhi, Downloaded from <https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>
2. Cunningham, W, and Cunnigham, M. (2017): "Principles of Environmental Science: Inquiry and Applications", McGraw Hill Education, Delhi
3. Gautam, A. (2010): "Environmental Geography", Sharda Pustak Bhavan, Allahabad
4. Karlekar, S. and Borges, J. (2008): "Diamond Bhugol- Paryavaran Shatra Kosh", (Marathi), Diamond Publications, Pune

5. Rajagopalan, R. (2016): “Environmental Studies: From Crisis to Core”, Oxford University Press, New Delhi
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7. Saxena, H. (2017): “Environmental Geography”, Rawat Publishers, Jaipur.
8. Singh, S. (2017):“Environmental Geography”, Prayag Pustak Bhawan, Allahabad
9. Ahirrao, W.R. & Others: “Biogeography”, Nirali Prakashan, Pune
10. Agrawal, L.C.: “ Biogeography” , Rawat Publications, Jaipur
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12. Thakur and other - –“Pryavaran Bhugol” Konkan Geographer’s Publication



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Syllabus for T.Y.B.A. (Geography) Semester- V
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Course Structure

Course Code: UVSC5GT

Course Title: Geospatial Technology

Course Type: Major VSC

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Demonstrate an understanding the concept, components of Geospatial Technology. (Level-I- Remembering and Level- II- Understanding)
CO-2	Explain the concepts of DEM and able to analyse, GNSS and GPS be able to use the applications GPS as well as capable to survey through GPS. (Level-I- Remembering, Level- II- Understanding, Level-V- Evaluating and Level-VI Creating)
CO-3	Use of image/map in GIS software's and Geo-referencing. (Level- II- Understanding, Level-V- Evaluating and Level-VI Creating)
CO-4	Create the maps by using GIS software's. (Level- II- Understanding, Level-V- Evaluating and Level-VI Creating)



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To be implemented from the Academic year 2025-26

SEMESTER- V
GEOSPATIAL TECHNOLOGY

Course Code: UVSC5GT

(Credit- 04)

UNIT – I: Remote Sensing – I		Hours
1.1	Remote Sensing: Concept, Components and Importance	15
1.2	Electromagnetic Energy, EMR and EMS – Effects of Atmosphere on EMR, Spectral Reflectance and Spectral Signature or Curve - Platforms, Sensors and Resolution	
1.3	Elements of Visual Image Interpretation - Mapping of Thematic Layers and Visual Image Interpretation of Physical and Manmade Features	
1.4	Aerial Photographs: Concept, Process, Types and Interpretation	
UNIT – II: Remote Sensing – II and GNSS		15
2.1	Concept of DEM, Digital image analysis: land use and land cover classification, 3D view of DEM	
2.2	Advanced Remote Sensing Technology - Use of Bhuvan portal	
2.3	GNSS and GPS: Concept, GPS Data Accuracy and Errors Segments, Applications	
2.4	Ground Survey and Demarcation of Point, Line and Polygon Features with GPS Device – Transfer GPS Data to Computer	
UNIT – III: Geographic Information System – I		15
3.1	GIS: Concept, Components and Applications - Map Projection and Coordinate System	
3.2	GIS Data Sources and Types	
3.3	Use of Image/map into GIS Software and Geo-referencing	
3.4	Creating Layers by Digitization of Point, Line and Polygon Features	
UNIT – IV: Geographic Information System – II		15
4.1	Functions of Database Creation – Input, Editing and Linking	
4.2	Spatial Database Analysis: Overlay, Merge, Query	
4.3	Map compositions for Map Layout and Design	
4.4	Preparation of Thematic Maps	

References:

1. Afzal Sharieff and et. al. (Ed.) (2010): An Introduction to Remote Sensing, SARUP Book Publishers Pvt. Limited, New Delhi.
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- Vol.I, International Cartographic Association and Elsevier Applied Science Publishers, London.
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 12. Central Board of Secondary Education (New Delhi): Geospatial Technology – Textbook, Class XI and XII
 13. Chaisman, N. 1992: Exploring Geographical Information Systems, John Wiley and Sons Inc., New York. Lillesand, T.M. and Kiefer, R. W. 1994: Remote Sensing and Image Interpretation, 3rd edition, John Wiley and Sons, New York.
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 23. Thomson O and Frank S (2000): Time – Integrative Geographic Information System, Springer, New York.
 24. Training Module of Capacity Building Training Programme in Geospatial Technology sponsored by Department of Science and Technology, Government of India in collaboration of Himachal Pradesh University.
 25. Tutorials from the - <http://dst-iget.in/tutorials> bhuvan.nrsc.gov.in/
 26. <https://www.isro.gov.in> <https://www.iirs.gov.in/>

Semester-VI



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Syllabus for T.Y.B.A. (Geography) Semester- VI
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Course Structure

Course Code: UAR6GE12

Course Title: Environmental Geography

Course Type: Major-XII

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the nature, scope, importance and man-environment relationship in Environmental Geography. (Level-I- Remembering and Level- II- Understanding)
CO-2	Explain the Structure, functions and types of ecosystem. (Level-I- Remembering and Level- II- Understanding)
CO-3	Evaluate the contemporary environmental problems with their causes, effect and solutions. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Understand the concept, types, distribution and hotspots of biodiversity. Evaluate the threats and conservation methods of biodiversity (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)



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To be implemented from the Academic year 2025-26

SEMESTER- VI

ENVIRONMENTAL GEOGRAPHY

Course Code: UAR6GE12

(Credit- 04)

UNIT-I: Fundamentals of Environmental Geography		Hours
1.1	Concept and Definitions of Environmental Geography	15
1.2	Nature, Scope and Importance	
1.3	Human Interaction with Environment	
1.4	Interdisciplinary Approach of Environmental Geography	
UNIT-II: Ecosystem		15
2.1	Ecosystem: Meaning, definition and its Structure	
2.2	Functions: Energy Flow, Food Chain, Food Web, Tropic Level and Food Pyramid	
2.3	Classification of Ecosystem: Terrestrial and Aquatic	
2.4	Bio-geochemical Cycles: Hydrological, Carbon and Nitrogen	
UNIT-III: Contemporary Environmental Issues		15
3.1	Pollution: Air and Water- Causes, effects and Solutions	
3.2	Pollution: Land and Noise- Causes, effects and Solutions	
3.3	Major Environmental Issues: Global Warming, Ozone Depletion and Acid Rain	
3.4	Major Environmental Movements: Local, National and International	
UNIT-IV: Natural Resources and Biodiversity		15
4.1	Natural Resources: Meaning, Definition and Importance	
4.2	Types of Natural Resources	
4.3	Depletion and Measures of Conservation of Natural Resources	
4.4	Biodiversity in India and its Conservation	

References:

1. Bharucha, E. (2004): “A Textbook for Environmental Studies”, University Grants Commission, New Delhi,
2. Cunningham, W, and Cunnigham, M. (2017): “Principles of Environmental Science: Inquiry and Applications”, McGraw Hill Education, Delhi
3. Gautam, A. (2010): “Environmental Geography”, Sharda Pustak Bhavan, Allahabad
4. Gharpure Vithhal
5. Karlekar, S. and Borges, J. (2008): “Diamond Bhugol- Paryavaran Shatra Kosh”, (Marathi), Diamond Publications, Pune
6. Rajagopalan, R. (2016): “Environmental Studies: From Crisis to Core”, Oxford University Press, New Delhi
7. Sangle, S. (2017): “Paryavaran Bhugol”, (Marathi), Diamond Publications, Pune
8. Saxena, H. (2017): “Environmental Geography”, Rawat Publishers, Jaipur.
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11. Parmar and others (2022):“Paryavaran Bhugol” Himalaya Publishing House – Mumbai.
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(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UAR6GE13

Course Title: Social Geography

Course Type: Major-XIII

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Explain the nature, scope, branches of Social Geography and concept of socio-cultural regions. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-2	Understanding the race, religion, language and tribes in the world and distinguish between them. (Level-I- Remembering and Level-II- Understanding)
CO-3	Explain the race, religion, language and tribes in India and distinguish between them. (Level-I- Remembering and Level-II- Understanding)
CO-4	Evaluate the contemporary social issues and social welfare policies of government of India.in India. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)



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To be implemented from the Academic year 2025-26

SEMESTER- VI

SOCIAL GEOGRAPHY

Course Code: UAR6GE13

(Credit- 04)

UNIT-I: Introduction to Social Geography		Hours
1.1	Definitions, Nature, Scope and importance	15
1.2	Branches and Approaches in Social Geography	
1.3	Concept of Social Space and Socio-cultural Regions	
1.4	Globalization: The Process of Social and Spatial Change	
UNIT-II: Elements of Social Geography -World		15
2.1	Race: Concept and Basis of Classification and distribution	
2.2	Religion: Characteristics, Distribution of Major Religions in the World	
2.3	Language: Characteristics and Distribution of Major Linguistic Families in the World	
2.4	Tribes: Concept, Characteristics and Distribution of Major Tribes in the World	
UNIT-III: Elements of Social Geography –India		15
3.1	Race: Major races and its distribution in India	
3.2	Religion: Major Religions and its distribution and its distribution in India	
3.3	Language: Major Linguistic Families in India	
3.4	Tribes: Distribution of Scheduled Tribes in India	
UNIT-IV: Contemporary Issues and Policies in India		15
4.1	Religion related social issues and Policies	
4.2	Language related social issues and Policies	
4.3	Patterns of gender issues in India and Policies	
4.4	Socio-economic problems of indigenous communities in India and Policies	

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Under New Education Policy (NEP) 2020
(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR6GE14

Course Title: Research Methodology

Course Type: Major-XIV

No. of Credits: 02

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Explain the concepts, types and stapes in the research methodology, formulation of research and research design. Use the methods of data collection and able to process the data. (Level- II- Understanding, Level-V- Evaluating and Level-VI Creating)
CO-2	Analyse the data by using MS Excel and SPSS software's and able to formulate the hypothesis. Explain the basics of research report writing and prepare the research report. (Level- II- Understanding, Level-III Applying, Level-V- Evaluating and Level-VI Creating)



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To be implemented from the Academic year 2025-26

SEMESTER- VI

RESEARCH METHODOLOGY

Course Code: UAR6GE14

(Credit- 02)

UNIT-I: Research Methodology in Geography		Hours
1.1	Research in Geography: Concept, Classification, Steps and Significance Review of Literature, Ethics in Research Research Methodology: Meaning and Types (Qualitative and Quantitative)	15
1.2	Defining the Research Problem: Meaning, Need and Techniques and Research Designs: Concept, Need and Objectives	
1.3	Sample Design, Measurement and Scaling	
1.4	Data Collection in Geography: Types (Primary and Secondary) and Methods (Observation, Questionnaire, Schedule, Interview, etc.)	
UNIT-II: Data Collection, Processing and Analysis		15
2.1	Role of Internet in Research: Online Research Referencing (Shodhganga, INFLIBNET, Research Gate, Academia, Mendeley, etc.)	
2.2	Data Processing: Editing, Coding, Classification and Tabulation And Data Analysis: Meaning, Significance and Types	
2.3	Using MS-Excel and SPSS for Data Analysis; Hypothesis, Types and Testing	
2.4	Field Work & Preparation of Research Report	

References:

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2. H. N. Misra, Vijai P. Singh(2002): Research Methodology in Geography – Social, Spatial and Policy Dimensions, Rawat Publications, Jaipur and New Delhi
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(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR6GEE2

Course Title: Political Geography

Course Type: Major Elective-II

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the nature, scope, historical development and recent trends in Political Geography. Explain the concepts of state, nation and nationalism. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-2	Explain the approaches and concepts in Political Geography. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-3	Explain the concept, distinction and functions and classification of frontiers and boundaries. Evaluate the disputes related with India's boundaries. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-4	Explain the Geostatic and Geopolitical views. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)



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To be implemented from the Academic year 2025-26

SEMESTER- VI

POLITICAL GEOGRAPHY

Course Code: UAR6GEE2

Credit- 04

UNIT-I: Introduction of Political Geography		Hours
1.1	Definition, Nature and Scope of Political Geography	15
1.2	Historical Development and Recent Trends in Political Geography	
1.3	Concept of state and factors	
1.4	Concept of Nation, Nation-State, and Nationalism	
UNIT-II: Approaches and Concepts in Political Geography		15
2.1	Hartshorne's Fundamental Approach: Centrifugal and Centripetal Forces	
2.2	Unified Field Theory	
2.3	Core Areas: Concept, Characteristics, and Distribution	
2.4	Capitals: Concept, Functions, and Classification	
UNIT-III: Frontiers and Boundaries		15
3.1	Frontiers and Boundaries: Concepts and Distinction	
3.2	Functions of Frontiers and Boundaries	
3.3	Classification of Boundaries	
3.4	India's Boundaries: Characteristics and Disputes	
UNIT-IV: Geostrategic and Geopolitical Views		15
4.1	Mackinder's Heartland and Spykman's Rimland Theory	
4.2	Geopolitics of Indian Ocean & Himalayas	
4.3	Geopolitics of International Water Disputes with Special Reference to India	
4.4	Changing Political Map of World and India	

References:

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2. Adhikari, S. (2011): "Political Geography of India: A Contemporary Perspective", Sharda Pustak Bhawan, Allahabad
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(To be implemented from the academic year 2025-2026)

Course Structure

Course Code: UAR6GEE2

Course Title: Population Geography

Course Type: Major Elective-II

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Understand the nature, scope, importance of Population Geography and explain the relation with other social sciences. (Level-I- Remembering, Level-II- Understanding)
CO-2	Explain and analyse the structure, growth, density and distribution of population in India and World. (Level-I- Remembering, Level-II- Understanding and Level-IV- Analysing)
CO-3	Understand the causes, consequences of migration and to explain the trends of migration in India. (Level-II- Understanding, Level-IV- Analysing, and Level-V- Evaluating)
CO-4	Explain the contemporary issues of population in India. (Level-II- Understanding, Level-IV- Analysing and Level-V- Evaluating)



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SEMESTER- VI

POPULATION GEOGRAPHY

Course Code: UAR6GEE2

Credit- 04

UNIT-I: Introduction to Population Geography		Hours
1.1	Concept, definition, nature, scope, importance	15
1.2	Approaches to the study of Population Geography	
1.3	Basic sources of population data	
1.4	Population Geography and other social sciences	
UNIT-II: Population Dynamics		15
2.1	Population growth in the world	
2.2	Causes and effects of population growth in India	
2.3	Population density and its determinants	
2.4	Structure of population (Age ,Sex and occupational)	
UNIT-III: Migration		15
3.1	Definition and Classification of Migration	
3.2	Factors affecting on migration - Pull and push factors	
3.3	Consequences of Migration	
3.4	Recent trend of migration in India	
UNIT-IV: Contemporary Issues in India		15
4.1	Ageing population and Increasing number of old age home	
4.2	Gender issues, Sexual assault, Domestic violence	
4.3	Poverty and unemployment in India	
4.4	Rapid urbanization and problem caused by urbanization in India	

References:

1. Bhende A. and Kanitkar T.,(2000):Principles of Population Studies, Himalaya Publishing House
2. ChandnaR.C.andSidhuM.S.,1980:An Introduction to Population Geography, Kalyani Publishers
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(To be implemented from the academic year 2025-2026)
Course Structure

Course Code: UOJT6OJT

Course Title: On Job Training

Course Type: OJT

No. of Credits: 04

Course Outcomes (Cos)

CO No.	COs Statement
	After completing the Course students will be able to-
CO-1	Apply concepts learned in classrooms to real-world work environments, enhancing their understanding and skills. (Level-II- Understanding, Level-III- Applying, Level-V- Evaluating and Level-VI Creating)
CO-2	Use and appreciate the use of emerging technologies and their applications, enhancing their technological literacy and adaptability. (Level-II- Understanding, Level-IV- Analysing, Level-V- Evaluating and Level-VI Creating)
CO-3	Work in teams and collaborate to achieve common goals in diverse work environments through collaborative projects. (Level-IV- Analysing, Level-V- Evaluating and Level-VI Creating)
CO-4	Navigate through various learning modalities effectively through exposure to hybrid learning models. (Level-V- Evaluating and Level-VI Creating)
CO-5	Display integrity in their dealings with their work and the people that they interact with by upholding professional; principles and ethical standards. (Level-IV- Analysing, Level-V- Evaluating and Level-VI Creating)

Revised Scheme of Examination

Faculty of Arts

(Under-graduate Programmes)

Choice Based Credit System (CBCS)

❖ Revised Scheme of Examination

The performance of the learners shall be evaluated into two components. The learner's Performance shall be assessed by Internal Assessment with 40% marks in the first component by conducting the Semester End Examinations with 60% marks in the second component. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below:-

A) Internal Assessment: 40 %

40 Marks

Sr. No.	Particular	Marks
01	One periodical class test / online examination to be conducted in the given semester	20 Marks
02	Group/ Individual Survey Project/Presentation and write up on the selected topics of the subjects/Case studies / Test based on tutorials /Book Review /Poetry Appreciation/ Open Book Test	15 Marks
03	Active participation in routine class instructional deliveries and overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic activities	05 Marks

Question Paper Pattern

(Periodical Class Test)

Maximum Marks: 20

Duration: 40 Minutes

Questions to be set: 03

All Questions are Compulsory

Question No.	Particular	Marks
Q-1	Match the Column / Fill in the Blanks / Multiple Choice Questions/ Answer in One or Two Lines (Concept based Questions) (1 Marks / 2 Marks each)	10 Marks
Q-2	Answer in Brief (Attempt any Two of the Three) (5 Marks each)	10 Marks

B) Semester End Examination: 60 %

- Duration: The examination shall be of 2 hours duration.

Question Paper Pattern for 04 Credits

Class:		Duration: 2 Hrs.
Sub.: Geography		Marks: 60
Paper No.:		Date:
N.B. - 1] All questions are compulsory. 2] Give example and draw diagrams wherever necessary. 3] Use of map stencil and simple calculator is allowed.		
1.	Unit I (Broad Question)	[15]
	OR	
1.	Unit I (Broad Question)	[15]
2.	Unit II (Broad Question)	[15]
	OR	
2.	Unit II (Broad Question)	[15]
3.	Unit III (Broad Question)	[15]
	OR	
3.	Unit III (Broad Question)	[15]
4.	Write Any Two Short Notes of the following	[15]
	A. Unit I B. Unit II C. Unit III	

➤ **Passing Standard**

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of Grade D, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.

Question Paper Pattern for 02 Credits

Class:		Duration: 1 Hr.
Sub.: Geography		Marks: 30
Paper No.:		Date:
N.B. - 1] All questions are compulsory. 2] Give example and draw diagrams wherever necessary. 3] Use of map stencil and simple calculator is allowed.		
1.	Choose the correct options and fill in the blanks:	[10]
2.	Unit I (Broad Question)	[10]
	OR	
2.	Unit I (Broad Question)	[10]
3.	Unit II (Broad Question)	[10]
	OR	
3.	Unit II (Broad Question)	[10]

➤ **Passing Standard**

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of Grade D, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment and Semester End Examination together.