

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR



Name of the Faculty: Science & Technology

(AS Per National Education Policy 2020)

Syllabus: Geography

Name of the Course: B. A. (Semester III & IV)

(Syllabus to be implemented from June 2025)

B. A. II (Geography)**Semester III & VI****Syllabus Structure (June 2025)**

Level	Semester	Discipline	Paper	Title of the paper	Lecture per week	Total Marks	Credit
5.0	III	Major	DSC1 - III	Climatology	4	100	4
			DSC1- IV	Physical Geography of India	4	100	4
		Minor	DSC2- I	Rural Settlement Geography	4	100	4
		GE/OE	GE/OE - III	Economic Geography of Maharashtra	2	50	2
		VSC	VSC - I	Introduction to Computer in Geography	2	50	2
		Filed Project	FP - I	Field Project in Geography - I	2	50	2
	IV	Major	DSC1- V	Economic Geography	4	100	4
			DSC1- VI	Socio Economic Geography of India	4	100	4
		Minor	DSC2- II	Urban Settlement Geography	4	100	4
		GE/OE	GE/OE-IV	Tourism Geography of Maharashtra	2	50	2
		VSC	VSC-II	Application Of Computer in Geography	2	50	2
		SEC	SEC -III	Agro- Tourism	2	50	2
		CEP	CEP -I	Environmental Awareness to Society	2	50	2

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-III (Geography)

Title of the Paper: Climatology

Paper Code: DSC1 - III

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Course Preamble

The course of Climatology is designed for second year BA students. It is a comprehensive and dynamic course designed to provide students with a deep understanding of the latest concepts and theories of Climatology. The course content includes the importance of the Atmosphere, its composition and structure, insolation and temperature, the role of the heat budget, pressure belts and wind systems, Jetstreams, humidity and cyclones, the mechanism of monsoons and climatic regions etc.

Course Objectives:

1. To make the students familiar with new terms and concepts of climatology.
2. To know the constituents of the atmosphere and its dynamic nature.
3. To know the contribution of the atmosphere in the making of the earth habitable.
4. To study the theories and concepts in climatic phenomena.

Course Outcomes:

1. Students will demonstrate knowledge of the atmosphere.
2. Learn the interaction between the atmosphere and the earth's surface.
3. Students will recognize the significance of atmospheric concepts for understanding socio-economic progress.
4. Understand the conceptual and dynamic aspects of monsoon development.

Contents of the course

Unit No.	Details	No. of Lectures	No. of Credits
1	Atmosphere: Composition and Structure 1.1 Climatology: Meaning and Definition 1.2 Elements of Weather and Climate 1.3 Atmospheric Composition 1.4 Atmospheric Structure	15	01

2	Insolation and Temperature 2.1 Factors affecting on Insolation 2.2 Distribution of Insolation 2.3 Heat Budget 2.4 Temperature- Factors, Distribution and Inversion	15	01
3	Atmospheric Pressure and Winds 3.1 Atmospheric Pressure Belts 3.2 Planetary Wind 3.3 Forces affecting on Winds 3.4 Jet Stream	15	01
4	Atmospheric Moisture and Cyclone 4.1 Concept of Evaporation and Condensation 4.2 Types of Humidity and Precipitation 4.3 Classification of Climatic Regions by Koppen 4.4 Tropical Cyclones 4.5 Monsoon - Origin and Mechanism	15	01

References:

1. Barry R. G. and Carleton A. M., 2001: *Synoptic and Dynamic Climatology*, Routledge, UK.
2. Barry R. G. and Corley R. J., 1998: *Atmosphere, Weather and Climate*, Routledge, New York.
3. Critchfield H. J., 1987: *General Climatology*, Prentice-Hall of India, New Delhi
4. Lutgens F. K. Tarbuck E. J .and Tasa D., 2009: *The Atmosphere: An Introduction to Meteorology*, Prentice-Hall, Englewood Cliffs, New Jersey.
5. Oliver J. E. and Hidore J. J., 2002: *Climatology: An Atmospheric Science*, Pearson Education, New Delhi.
6. Trewartha G. T. and Horne L. H., 1980: *An Introduction to Climate*, McGraw-Hill.
7. Lal, D S (2006): *Jalvayu Vigyan*, Prayag Pustak Bhavan, Allahabad
8. Vatal, M (1986): *Bhautik Bhugol*, Central Book Depot, Allahabad
9. Singh, S: *Climatology*, Prayag Pustak Bhawan, Allahabad.
10. Maske S. S. and Raut B. B.: *Climatology*, Think Thank publication, Solapur
11. मस्के, राउत व हरवाळकर: हवामानशास्त्र, निराळी प्रकाशन, पुणे.

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-III (Geography)

Title of the Paper: PHYSICAL GEOGRAPHY OF INDIA

Paper Code: DSC1 - IV

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Preamble

This paper is basically designed to cater to foundation building of the students by imparting knowledge about physical geography of India. In this paper along with the physical setting of India and the climate of India is focused. With this study students can understand the forests, soils and minerals in various parts of India. They can also get ideas about the degradation of Soils and Forests in India and students can also understand non-conventional resources like Solar and Wind energy which is essential in the present world.

Course Objectives:

- To familiarize the students with. Physiography, Rivers and Climate of India.
- To understand the students Soil, Vegetation and Resource of India

Course Outcomes:

- Student able to understand physical setting of India.
- Students aware about the distribution of the Soil, Vegetation and Resource of India

Contents of the course

Unit No.	Details	No. of Lectures	No. of Credits
1	Physical Setting of India 1.1 Location 1.2 Physiography 1.3 Drainage pattern	15	1
2	Climate 2.1 Factors influencing the climate of India - Location, Physiography, ITCZ, EL Nino and LA Nina. 2.2 Mechanism of Monsoon - SW Monsoon and NE Monsoon 2.3 Seasons - Summer, Winter, Rainy.	15	1

3	Soil and Natural Vegetation 3.1 Soil – Types and distribution, Degradation and Conservation 3.2 Natural Vegetation - Types and Distribution, Conservation	15	1
4	Resources (Types, Distribution and Production) 4.1 Mineral Resources - Iron-ore and Bauxite 4.2 Power Resources- Coal and Petroleum 4.3 Non-conventional resources - Solar and Wind	15	1

References:

1. Deshpande C. D., 1992: India: A Regional Interpretation, ICSSR, New Delhi.
2. Johnson, B. L. C., ed. 2001. Geographical Dictionary of India. Vision Books, New Delhi.
3. Mandal R. B. (ed.), 1990: Patterns of Regional Geography – An International Perspective. Vol. 3 – Indian Perspective.
4. Sdyasuk Galina and P Sengupta (1967): Economic Regionalization of India, Census of India
5. Sharma, T. C. 2003: India - Economic and Commercial Geography. Vikas Publ., New Delhi.
6. Singh R. L., 1971: India: A Regional Geography, National Geographical Society of India.
7. Singh, Jagdish 2003: India - A Comprehensive & Systematic Geography, GyanodayaPrakashan, Gorakhpur.
8. Spate O. H. K. and Learmonth A. T. A., 1967: India and Pakistan: A General and Regional Geography, Methuen.
9. Tirtha, Ranjit 2002: Geography of India, RawatPubls., Jaipur & New Delhi.
10. Pathak, C. R. 2003: Spatial Structure and Processes of Development in India. Regional Science Assoc., Kolkata.
11. Tiwari, R.C. (2007) Geography of India. PrayagPustakBhawan, Allahabad
12. Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur
13. राऊत बी. बी., मस्के एस. एस., आणि हरवाळकर डी. एस., (2020): भारताचा भूगोल, निराली प्रकाशन, पुणे.

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-III (Geography)

Title of the Paper: Rural Settlement Geography

Paper Code: DSC2 - I

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Preamble:

Students preparing for the examination and must understand the morphology of rural settlements as it plays vital role in India's socio-economic landscape. Questions related to the historical significance, development patterns and challenges facing rural settlements may appear in the daily life of human beings. Moreover, understanding the unique aspects of rural settlements equips aspirants with valuable insights into the diverse nature of India's rural areas, which is essential for formulating effective policies and strategies for rural development from this designed syllabus.

Program Objectives: Students will be able

1. To understand the definitions, Nature, scope and significance of Rural Settlement
2. To know hierarchy of Rural Settlement
3. To know factors, types and patterns of Rural Settlement
4. To understand regional variations related house types and building material

Course Outcomes: After the completion of course,

1. The students will have to know the Significance of Geography of Rural Settlement.
2. The students will have understood the Hierarchy, Functions, Classification and Patterns of Rural Settlements.
3. The students become familiar with local building materials.
4. The students adopts policies of regional development.

Contents of the course

Unit No.	Details	No. of Lectures	No. of Credits
1	Introduction to Rural Settlement Geography 1.1 Definition of Rural Settlement Geography	15	1

	1.2 Nature of Rural Settlement Geography 1.3 Scope of Rural Settlement Geography 1.4 Importance of Rural Settlement Geography		
2	Factors and Forms of Rural Settlement 2.1 Factors affecting on growth and distribution of rural settlements 2.2 Hierarchy of Rural settlement 2.3 Rural House - Building material and House types 2.4 Morphogenesis and morphology of rural settlement	15	1
3	Function and Classification of Rural settlements 3.1 Functions of Rural Settlement 3.2 Classification of Rural settlement based on Location, Pattern and Spacing	15	1
4	Issues and planning in Rural Settlements 4.1 Social issues in rural settlements- poverty, housing deprivation, health hazards and inequality 4.2 Environmental issues in rural settlements - water supply, sanitation, drainage 4.3 Integrated Rural Development Programme for regional Planning	15	1

References:

- 1) Alam S.M.et al;(1982) Settlement system in India, Oxford and IBP Publication Co. New Delhi.
- 2) Chisholm M. (1967) Rural Settlements and Land use, John Wiley Publication New york.
- 3) Daniel P.and Hopkinson M. (1986), The Geography of settlements, Oliver and Boyd publishing Co. Edinburg
- 4) Ghosh Sumita (1998) Introduction to Settlement Geography, Orient Longman Ltd, Hyderabad.
- 5) Tiwari R C. (2020) Settlement Geography, Pravalika Publications, Prayagraj Allahabad.
- 6) Varmali S. (1983) Service Centers in Rural India, B. R. Publication Corporation, New Delhi.
- 7) Singh R Y. (1994) Geography of Settlement, Rawat publication, Jaipur
- 8) Roy Rajeshwar (2015) Settlement Geography Anmol Publication Private Ltd, New Delhi

- 9) Sinha VNP, Varma Usha & Sahay Anuradha (1998) Introduction to Settlement Geography, Rajesh Publication Ltd, New Delhi.
- 10) Maurya S D (2014) Settlement Geography Shardha Bhavan, Allahabad
- 11) Singh Sarvesh Warnath (2023), Rural Settlement Geography, Radha Prakashan, New Delhi
- 12) घारपुरे विठ्ठल (2022) , वस्ती भूगोल, पिंपळापुरे प्रकाशन, अहमदनगर
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- 14) सवदी ए. बी. व कोळेकर पी. एस, (2022): भारताचा समग्र भूगोल (खंड दुसरा), निराली प्रकाशन, पुणे

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Structure of Syllabus (NEP 2020)

B. A. Part–II Sem-III (Geography)

Title of the Paper: Economic Geography of Maharashtra

Paper Code: GE / OE - III

Total Lectures- 30

Course Credit: 2

Total Marks- 50

Preamble of the Course:

Economic geography is sub branch of human geography refers to the study of economic activities in an area and the factors affecting them. Maharashtra is the third largest state in the country and the second most populous among Indian states. Maharashtra is considered one of the most economically advanced states in India, so it becomes important to learn about its Economic geography of Maharashtra. Agriculture and allied activities sector are one of the important sectors of the State economy. Around half of the State population is dependent on this sector for their livelihood. The course is to designed to understand the basics of agriculture and industrial development of Maharashtra.

Objectives of Course:

- 1) To understand the role of agriculture in state economy
- 2) To know industrial development in Maharashtra

Course Outcomes:

- 1) understand the Role of Agriculture in State Economy and Crops
- 2) Aware about the problems and prospects of agriculture in Maharashtra.
- 3) Understand the industrial development of Maharashtra
- 4) Learn the recent trends in regional studies in Maharashtra.

Contents of the course

Unit No.	Details	No of Lectures	No of Credit
1	Agriculture 1.1 Role of Agriculture in State Economy 1.2 Crops - Jawar, Cotton and Sugarcane 1.3 Mode of irrigation 1.4 Problems of Agriculture	15	1
2	Industries 2.1 Role of industry in State Economy 2.2 Agro Based Industries – Cotton Textile	15	1

	and Sugar		
	2.3 SEZ and Technology Park		
	2.4 Industrial region in Maharashtra		

References:

- 1) Arunachalam B., (1967), Maharashtra – A study in Physical and Regional Setting, Sheth and Co., Mumbai.
- 2) Deshpande, C. D. (1971). Geography of Maharashtra. National Book Trust, New Delhi.

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-III (Geography)

Title of the Paper: Introduction to Computer in Geography

Paper Code: VSC - I

Total Lectures- 30

Course Credit: 2

Total Marks- 50

Preamble of the Course:

The course of Introduction to Computer is a practical oriented course and designed to provide practical knowledge to students with a deep understanding of the basic concept of Computer. The course is designed to understand the basics of computers.

Objectives of Course:

- 1) Provide basic knowledge to students about computer.
- 2) To make acquainted the student with the dynamic aspect of Information and Technology.

Course Outcomes:

- 1) The students will have got basic knowledge of Computer.
- 2) Understanding the concept of input and output devices of Computers
- 3) Learn the functional units and classify types of computers, how they process information and how individual computers interact with other computing systems and devices.
- 4) The students handle a computer system for day-to-day use.

Contents of the course

Unit No.	Details	No of Lectures	No of Credit
1	Introduction to Computer 1.1 Meaning and Definition of Computer 1.2 History and Characteristics of Computer 1.3 Classification of Computer 1.4 Significance of Computer	15	1
2	Components & Fundamentals of Computer System	15	1

	2.1 Central Processing Unit		
	2.2 Input devices		
	2.3 Output devices		
	2.4 Hardware and Software		

References:

- 1) Computer Knowledge: D. A. Gautam Spardha Unnati Prakashan
- 2) Introduction To Computer Security-Bishop, M/ Venkatramanayya, S Pearson
- 3) Introduction To Computers-Norton, Peter4th ed TMH
- 4) Introduction To Computers-Norton, Peter6th ed TMH
- 5) Computer Data-base Organization-Martin, James's 2nd ed PHI
- 6) Computer Fundamentals-Goel, Anita Pearson
- 7) Computer Fundamentals: Architecture & Organization-Ram, B.4th ed New Age
- 8) Computer Fundamentals: Concepts, Systems & Applications-Sinha, P.K. BPB
- 9) Computer Fundamentals: Concepts, Systems & Applications-Sinha, P. K/ Sinha, P. 4th ed BPB

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-III (Geography)

Title of the Paper: Field Project in Geography - I

Paper Code: FP - I

Total Lectures- 60

Course Credit: 2

Total Marks- 50

Preamble

The Field Project in Geography is an essential component of the curriculum, designed to bridge theoretical knowledge with practical applications. Geography as a discipline is inherently spatial and requires an understanding of the dynamic interaction between natural and human systems. Field work offers students the opportunity to engage directly with their environment, observe geographic phenomena, collect data, and analyze patterns and processes at a local scale. This project fosters critical thinking, research skills, and a hands-on approach to problem-solving. It emphasizes experiential learning through real-world exposure, enabling students to explore diverse landscapes, human-environment interactions, and socio-economic structures.

The primary aim is to develop a comprehensive understanding of geographic methodologies, including survey techniques, mapping, data collection, and interpretation. Through this project, students will cultivate an appreciation for the complexity and interconnectedness of the world around them while gaining valuable skills applicable in academic and professional contexts.

Course Objectives:

- 1) To explain the concept, techniques and tools of field work.
- 2) To introduce the students to design and writing of the field report

Course Outcome:

- 1) Remember the role and Ethics of Field Work
- 2) Understand the appropriate field Technique
- 3) Apply the knowledge of field survey in research and design the field report

Contents of the course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Field Work 1.1 Definition of Field Work 1.2 Need of field Work in Geography 1.3 Advantages and Disadvantages of Field Work 1.4 Preparation of Field Work	30	1
2	Field Project - Data Collection and Writing 2.1 Collection of Data 2.2 Writing the Field Project - Introduction, Objectives, Study Area, Sources of Data and Methodology, Interpretation and Analysis of data, References and Appendix	30	1

Practical Record:

1. Each student will prepare an individual report based on primary and secondary data collected during fieldwork.
2. The duration of the field work should not exceed 10 days.
3. The word count of the report should be about more than **3000** excluding figures, tables, photographs, maps, references and appendices.
4. One copy of the report on A 4 size paper should be submitted in hard binding.

References:

1. Creswell J., 1994: Research Design: Qualitative and Quantitative Approaches Sage Publications.
2. Dikshit, R. D. 2003. The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.
3. Evans M., 1988: "Participant Observation: The Researcher as Research Tool" in *Qualitative Methods in Human Geography*, eds. J. Eyles and D. Smith, Polity.
4. Mukherjee, Neela 1993. Participatory Rural Appraisal: Methodology and Application. Concept Pubs. Co., New Delhi.

5. Mukherjee, Neela 2002. Participatory Learning and Action: with 100 Field Methods. Concept Publs. Co., New Delhi
6. Robinson A., 1998: "Thinking Straight and Writing That Way", in Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: LosAngeles.
7. Special Issue on "Doing Fieldwork" The Geographical Review 91:1-2(2001) Stoddard R. H., 1982: Field Techniques and Research Metho

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Economic Geography

Paper Code: DSC1- V

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Preamble:

Economic geography is sub field of Human geography. It deals with human economic activities and factor affecting it. It refer to the field of study focused on the location of economic activity at he local, national and world scale. It deals with all the activities in which people engage in production, exchange of distribution and consumption of goods and services. Anything people buy, work to produce, consume or exchange is an economic item therefore human activities can be classified in to Primary, Secondary and tertiary.

Objective of the Course:

- 1) To study the basic the basic concept of economic geography.
- 2) To acquaint the student with economic activities.
- 3) To study the various models in economic geography

Course Outcome:

- 1) Students will be able to understand the basic concepts in economic geography.
- 2) Students acquire the knowledge about the about various economic activities.
- 3) Students understand the various models in economic geography.

Content of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Introduction of Economic Geography and Economic Activity 1.1 Definition of Economic Geography 1.2 Branches of Economic Geography	15	1

	1.3 Classification of Economic Activity 1.4 Factors Affecting location of Economic Activity		
2	Primary Activities 2.1 Subsistence and Commercial Agriculture 2.2 Agriculture Land use Model-Von Thunen 2.3 Forestry 2.4 Fishing and Mining	15	1
3	Secondary Activities 3.1 Industrial Location Theory- Alfred Weber 3.2 Manufacturing- Cotton Textile and Iron and Steel 3.3 Concept of Manufacturing Regions 3.4 Special Economic Zones and Technology Parks	15	1
4	Tertiary Activities 4.1 Transportation 4.2 Trade and Services	15	1

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1. Alexander J.W., 1963: Economic Geography, Prentice-Hall Inc., Engle wood Cliffs, New Jersey.
2. Coe N.M., Kelly P.F. and Yeung H.W., 2007: Economic Geography: A Contemporary Introduction, Wiley-Blackwell.
3. Hodder B.W. and Lee Roger, 1974: Economic Geography, Taylor and Francis.
4. Combes P., Mayer T. and Thisse J.F., 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press.
5. Bagchi-Sen S. and Smith H.L., 2006: Economic Geography: Past, Present and Future, Taylor and Francis.
6. Willington D.E., 2008: Economic Geography, Husband Press.
7. Clark, Gordon L.; Feldman, M.P. and Gertler, M. S., eds. 2000: The Oxford
8. मस्के, राऊत व हरवाळकर (२०२१): आर्थिक भूगोल, निराली प्रकाशन, पुणे.
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Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Socio-Economic Geography of India

Paper Code: DSC1- VI

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Preamble:

This syllabus explores key aspects of India's socio-economic geography, highlighting agriculture, industries, transport, trade, and population. Agriculture's role in the Indian economy is examined through major crops, the Green Revolution, and its inherent challenges. The study of industries emphasizes their economic significance, locational factors, and the development of agro- and mineral-based sectors. Transport and trade focus on the diversity of India's road and railway systems, major ports, and the country's export-import profile. studies delve into growth trends, distribution patterns, and structural dynamics like age and gender composition. Emphasis is placed on understanding the interconnections between these domains and their contribution to India's development. The syllabus encourages awareness of regional disparities and sustainable solutions to socio-economic challenges. It integrates historical and modern perspectives to provide a comprehensive view of India's socio-economic fabric. Learners are equipped with the tools to analyze India's development trajectory and its future potential. Overall, the syllabus underscores the importance of balanced growth and equity in India's socio-economic progress.

Course Objectives:

- 1) To study the importance, major crops and problems of Indian Agriculture.
- 2) To introduce the importance, location factors and various types of industries.
- 3) To highlight the major types of transportation and trade.
- 4) To understand the growth, distribution, composition and problems of population.

Course Outcomes:

- 1) Students understand the importance, major crops and problems of Indian Agriculture.
- 2) Student gain knowledge about the importance, location factors and various types of industries.
- 3) Students understand the major types of transportation and trade.

4) Student understand the growth, distribution, composition and problems of population.

Contents of the course

Unit No.	Details	No. of Lectures / Periods	No. of Credits
1	Agriculture 1.1 Role of Agriculture in Indian Economy 1.2 Major Crops- Rice, Wheat, Sugarcane 1.3 Green Revolution 1.4 Problems of Indian Agriculture	15	1
2	Industries 2.1 Role of Industries in Indian Economy 2.2 Factors affecting on the localization of Industries 2.3 Agro-based Industries - Sugar and Cotton 2.4 Mineral-based Industries-Iron and Steel	15	1
3	Transport and Trade 3.1 Road Ways-Types and major routes in India 3.2 Railways- Railway Zones in India, Kokan Railway 3.3 Major Ports – Eastern and western coast 3.4 Trade - Export and Import	15	1
4	Population 4.1 Growth of population 4.2 Factors affecting on the Distribution of Population and Distribution of Population 4.3 Structure of Population- Age and Sex Composition 4.4 Problems of Population	15	1

References:

- 1) Padeyand Farnades (2004): General Geography of India, Nirali Prakashan Pune

- 2) Singh R. L. (1971): India – A Regional Geography, Silver Jubilee Publication, Varanasi
- 3) Sengupta P. and Other (1965): Economic Regionalization of India: Problem and Approaches
- 4) Mamoria C. B. (1975): Geography of India, Shiva Lal Agarwala & Company Agra
- 5) Mishra R. P. (1974): Regional Development Planning in India, Vikas Publishing House Pvt Ltd, New Delhi
- 6) Negi B. S. (1990): Regional Geography of India, Kedar Nath Ram Nath, Meerut
- 7) Khullar (2009): India – A Comprehensive Geography, Kalyani Publishers, New Delhi
- 8) Majid Husain (2009): Geography of India, Tata Mc-Graw- Hill, New Delhi
- 9) Ranjit Tirtha (2002): Geography of India, Rawat publication, Jaipur
- 10) Tiwari R. C. (2007): Geography of India, Prayagpustak Bhavan, Allahabad
- 11) Sharma T. C. (2013): Economic Geography of India, Rawat publication, Jaipur
- 12) विठ्ठल घारपुरे (2004): भारताचा भूगोल, पिंपळापुरे अँड कं. पब्लिशर्स, नागपूर
- 13) ए. बी. सवदी व पी. एस. कोळेकर (2009): भूगोलाची मुलतत्वे (खंड दुसरा), निराली प्रकाशन पुणे
- 14) जयकुमार मगर (1999): भारताचा भूगोल, विद्या प्रकाशन, नागपूर
- 15) सुभाष सारंग (1999): भारताचा भूगोल, विद्या प्रकाशन, नागपूर
- 16) हरवाळकर दत्तात्रय, मस्के शिवाजी व राऊत बापू (2022): भारताचा भूगोल, निराली प्रकाशन, पुणे.

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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Urban Settlement Geography

Paper Code: DSC2- II

Total Lectures- 60

Course Credit: 4

Total Marks- 100

Preamble:

The Geography students can better understand all latest concepts and themes of Urban Settlements. Urban Settlement geography of these courses deals with the study of introduction, nature and scope of urban settlements, processes and concepts of urbanization, urban sprawl and rural urban fringe, functional classification of urban centers, morphological structure of cities including the rank-size rule and the law of primate city. In this subject also included the urban settlement planning and urban problems.

Objectives of the Course:

1. To study the basic concept of urban settlement.
2. To study the type of urban settlements, site and situations.
3. To study functional classifications, structure and morphology of urban settlements.
4. To study the urbanization, process and problems of urban settlement.
5. To make students as a good urban planner and environmental conservator.

Course Outcome:

1. Students will be able to understand urban issues from geographical perspectives.
2. To understand the relationship between urban cities and the community forces.
3. To understand the characteristics of urban settlements, classification, structure and hierarchy.
4. Students will be able to describe models and hierarchies in settlement planning.

Contents of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Introduction to Urban Settlement 1.1 Meaning and definitions of Urban Settlement	15	1

	1.2 Nature of Urban Settlement 1.3 Scope of Urban Settlement 1.4 Significance of Urban Settlement		
2	Factors and Classification of Urban Settlement 2.1 Factors affecting on the growth and development of Urban Settlements 2.2 Classification of Urban Settlement based on population 2.3 Functional classification of towns or city	15	1
3	Function and Morphology of Urban Settlement 3.1 Functions of Urban Settlement 3.2 Models of Urban Morphology- Concentric Zone Theory, Sector Theory and Multi-Nuclei Theory 3.3 CBD	15	1
4	Urbanization 4.1 Meaning and definitions of Urbanization 4.2 Factors of Urbanization 4.3 Trends of Urbanization in India 4.4 Problems of urban settlement	15	1

Reference Books:

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2. Alex Douglas (2015): Urban Settlement, Delve Publishing LLC, Burlington, Canada
3. Michael Hill (2005): Urban Settlement and Land Use Hodder Education London, United Kingdom.
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Asian Mega Cities.

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9. Knox P. L. and Mc Carthy L., 2005: Urbanization: An Introduction to Urban Geography, Pearson Prentice Hall New York.
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13. L.N. Verma (2006) Urban Geography Rawat Publisher, Jaipur.
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Structure of Syllabus (NEP 2020)

B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Tourism Geography of Maharashtra

Paper Code: GE / OE- IV

Total Lectures- 30

Course Credit: 2

Total Marks- 50

Objectives:

- 1) To acquaint the student with development and planning of tourism in Maharashtra.
- 2) To familiarize the student about Geographical, Historical, Religious and cultural Tourist Places in Maharashtra.
- 3) To prepare the students for the Tourism knowledge.

Learning Outcomes:

- 1) Students understand the development and planning of tourism in Maharashtra.
- 2) Students understand various Geographical tourist places of Maharashtra.

Contents of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Development and Planning 1.1 Development of tourism in Maharashtra 1.2 Planning of tourism in Maharashtra 1.3 Maharashtra Tourism Development Corporation	15	1

	(MTDC) 1.4 Role of tourism in state economy		
2	Tourist Places in Maharashtra 2.1 Natural tourist places in Maharashtra 2.2 Historical tourist places in Maharashtra 2.3 Cultural tourist places in Maharashtra 2.4 Religious tourist places in Maharashtra	15	1

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1. Rana Pratap and Kamla Prasad: Tourism Geography, Shree Publishers & Distributors, New Delhi (2005)
2. M. Dixit and Sheela Charu: Tourism Products, Royal Publication, Lacknow (2001)
3. S. Dharmarajan and R. Seth: Tourism in India: Trends and issues, Har-Anand Publication, Delhi (1996)
4. A. K. Bhatia: Tourism Development - Principles and practices, Sterling Publishers Private Limited, New Delhi (1983)
5. संभाजी बी. पाटील : महाराष्ट्र पर्यटन, प्रशांत पब्लिकेशन्स, जळगाव (2016)
6. विठ्ठल घारपुरे : पर्यटन भूगोल, पिंपळापूरे अँड कं. पब्लिशर्स, नागपूर (2001)
7. अ. वि. भागवत आणि मेधा जोशी : पर्यटन भूगोल भाग 1 आणि 2, अश्वमेध प्रकाशन पुणे (1995)

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B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Application of Computer in Geography

Paper Code: VSC- II

Total Lectures- 60

Course Credit: 2

Total Marks- 50

Course Objectives:

- 1) To introduce the Computer Statistical Analysis
- 2) To introduce Graphical Software Skill

Learning Outcomes:

- 1) Students understand the basic concept of Computer Application in Geography
- 2) Students understand basic graphical software skill.

Contents of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Application of Computer 1.1 Application of Computer in Geography 1.2 Role of Computer in Statistical Analysis of Geographical data: Collecting Data, Graphical Presentation, Analyzing the Numerical Data, Interpreting the Numerical Data	30	1

2	Computer Application in Geography: With Special Reference to Statistical data 2.1 Graphical Preparation of Data- Bar graph, Line graph and Pie diagram 2.2 Statistical Analysis of Data - Mean, Median and Mode	30	1
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References:

- 1) Introduction to Computer Security - Bishop, M/ Venkatramanayya, S Pearson
- 2) Introduction To Computers-Norton, Peter 4th ed TMH
- 3) Computer Applications in Management-Dahiya, U/ Nagpal, S. Taxman Allied Service
- 4) Computer Data-base Organization-Martin, James 2nd ed PHI

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Structure of Syllabus (NEP 2020)

B. A. Part-II, Sem-IV (Geography)

Title of the Paper: Agro- tourism

Paper Code: SEC- III

Total Lectures- 30

Course Credit: 2

Total Marks- 50

PREAMBLE:

This syllabus has been designed to portray Agro- tourism as an applied branch of tourism with emphasis on the acquisition of knowledge and skills associated with the content. A general review of the undergraduate students of agro-tourism syllabus is presumed. Students will expected and able to give the answers of questions on all the topics set out in the column headed syllabus. The notes therein are intended to indicate the scope of the questions related to agro-tourism will be set, but they are not be considered as an exhaustive list of limitations and illustration. Students have practical which should contain records based on individual observations carried out from the field visit. In order to enhance effective teaching as well as learning process and better performance of students, continues assessment of students is recommended for acquiring essential skills related to agro-tourism.

Course Objectives:

1. To create valuable manpower for sustainable agriculture and contribute to the society with establishing agro--tourism centre.

- 2.To understand the importance and need for rural development
- 3.To empower the students with latest techniques and skills to promote their employability
- 4.To encourage the students to become agro- tourism entrepreneurs with emphasis on practical oriented teaching to develop skills.

COURSE OUTCOMES:

- 1.Understand the basic knowledge of agro-tourism in current scenario of tourism field.
2. Visit to Agro-tourism centers for experiential knowledge for understanding the importance of Agro-tourism.
- 3.Develop the skills to manage agro- tourism for commercial utilization in future. 4. Creates agro-tourism centers in future for contributing to the society.

Contents of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Introduction to Agro-Tourism 1.1 Definition of Agro-Tourism 1.2 Importance of Agro-Tourism 1.3 Agro- tourism Sustainability 1.4 Need & Role of Agro- Tourism in rural development	15	1
2	Factors and Types of Agro-Tourism 2.1 Factors affecting on Agro-Tourism 2.2 Types of Agro-Tourism 2.3 Problems and Remedies of Agro-Tourism 2.4 Agro-Tourism Centre's in Solapur	15	1

Reference:

1. Talwar, Prakash. Travel and Tourism Management. Gyan Books Pvt. Ltd., Main Ansari Road, Darya Ganj, New Delhi-110 002.
2. Badri, S.C)2003(Trends in Tourism Promotion. International Books Distributors, Dehradun Uttarakhand (India).
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5. Ramu M. S. and Vazhacharikal P. J. (2022) Agrotourism in India: Status and Prospects, independently published, Bangalore
6. Sznajdar M, Prezebdrska L., Scrimgeour Frank (2009), Agritourism, CABI Publication, USA
7. Randall Jack (1993), Agriculture Tourism, Discovery Publishing House PVT LTD, India
8. Parkar P.R.(2021),Agritourism:Guide for Beginners,walnut publication, India
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10. गोजरे नंदकिशोर , कृषी पर्यटन उद्योग,चेतक बुक्स

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B. A. Part–II, Sem-IV (Geography)

Title of the Paper: Environmental Awareness to Society

Paper Code: CEP- I

Total Lectures- 30

Course Credit: 2

Total Marks- 50

Objectives:

1. To create the awareness about dynamic environment among the student.
2. To acquaint the students with fundamental concepts of environment for development in different areas.
3. The students should be able to integrate various factors of Environment and dynamic aspect of Environment Awareness.
4. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development

Outcomes:

1. Create awareness about dynamic environment among the student.
2. To acquaint the students with fundamental concepts of Environment Awareness for development in different areas.
3. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development

Contents of the Course

Unit No.	Details	No. of Lectures/ Periods	No. of Credits
1	Introduction 1.1 Meaning of Environment 1.2 Types of Environments 1.3 Concept of Environment Awareness 1.4 Need and Importance of Environment Awareness	15	1
2	Environmental Problems and Awareness to Society 2.1 Environmental Problems 2.2 Environmental Movements and programmes in India 2.3 Environmental Remedies 2.4 Environmental Awareness to society	15	1

Reference:

1. Miller G.T., 2004, Environmental Science Working with the Earth, Thomson Books Cole Singapore
2. Saxena H.M., 2017, Environmental Geography (Ed III), Rawat Publications, Jalindhar
3. Odum E.P. et al 2005, Fundamentals of Ecology. Ceneage Learning. India
4. Sharma P.D.2015. Ecology and Environment, Rastogi Publications, Meerut
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