

# Shikshanmaharshi Dr. Bapuji Salunkhe College, Miraj

## Department of Geography

### B.A. Geography

#### COURSE OUTCOMES (COs)

As per new NEP Syllabus (Since 2022)

Title: Physical Geography Code: DSC B10

1. Students will be able to understand the basic concepts in Physical Geography.
2. Students understand basic terms used to describe physical processes and landscape forms.
3. Students understand the atmosphere.
4. Students understand the concept of maps and globe.

Title: Human Geography Code: DSC B24

1. Students will be able to understand the basic concepts in Human Geography.
2. Students understand basic terms used to describe population, settlements and agriculture.
3. Students understand the concept of Google Earth and Google Map.

TITLE: SOIL GEOGRAPHY Code: DSC D19

CO1: Relating to Knowledge

- I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Soil Geography, as well as its history and pedology.
- II. Students will be able to explain the significance of Soil Geography in various fields, including agriculture, ecology, land use planning, and environmental management.
- III. Students will have a thorough understanding of the factors that influence soil formation and the physical and chemical properties of soils.

CO2: Understanding and application

- I. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.
- II. Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.
- III. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

#### CO3: Students Skills

- I. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.
- II. Students will have gained practical knowledge of pH and NPK soil analysis.
- III. Students will be able to use GIS for studying soil ecology and planning.
- IV. Student will start up soil test laboratory.

#### CO4: Students Evaluation

- I. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.
- II. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.
- III. Students will be evaluated on their practical skills related to soil profile, soil sample tools, soil analysis.

### **TITLE: RESOURCE GEOGRAPHY Code: DSE 20**

#### CO1: Relating to Knowledge

- I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Resource Geography.
- II. Students will be able to explain the significance of Resource Geography in various fields, including agriculture, industry, transportation, and environmental management.
- III. Students will have a thorough understanding about the distribution, utilization and problems of worldwide major resources.

#### CO2: Understanding and application

- I. Students will be able to comprehend the sustainable resource development
- II. Students will be able to apply the knowledge of resource geography in real-world scenarios, such as management and conservation of resources.
- III. Students will be able to the classify of resources based on their characteristics and their worldwide distribution.
- IV. By the end of the course, Students will have gained knowledge of worldwide resource availability, its problems like scarcity, pollution etc. and will be able to imply measures to overcome these problems.

#### CO3: Students Skills

- I. Students will be able to understand for the need of sustainable resource development and skills of resource management.

II. Student will be able to develop the cartographic skills.

CO4: Students Evaluation

I. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Resource Geography.

II. Students will be evaluated based on their ability to apply their knowledge of problems of resource availability, its management and sustainable resource development in practical scenarios.

III. Students will be evaluated on their practical skills related to cartographic skills.

**TITLE: Subject – OCEANOGRAPHY Code: DSE 47**

CO1. Relating to Knowledge:

I. Students will define the nature and scope of oceanography and its connection to physical sciences.

II. Students will identify branches of oceanography and their areas of focus.

III. Students will describe the factors affecting oceanic temperature, salinity, and distribution.

IV. Students will recognize the types of oceanic currents and their origins in different oceans.

V. Students will understand the sources, classification, and significance of oceanic deposits.

VI. Students will explain the role of the ocean as a source of food and potential future resources.

CO2. Understanding and Application:

I. Students will apply knowledge of oceanographic principles to illustrate the maps of ocean and NOAA CDR/ NESDIS sea surface temperature, Annual mean of the sea surface salinity distribution.

II. Students will apply knowledge of causes, effects of ocean pollution and propose solutions.

III. Students will utilize scientific reasoning to understand the relationships between ocean water properties and climate change.

IV. Students will be able to distinguish the various marine movements.

V. Students will apply theoretical knowledge to practical exercises, such as interpreting hypsographic curves, wind roses, isohalines, and isotherms.

CO3. Student Skills:

I. Develop critical thinking skills through the analysis and evaluation of oceanographic concepts.

II. Enhance problem-solving abilities by applying oceanographic principles to real-world situations and to demonstrate the ocean currents.

III. Develop effective communication skills through oral and written presentations of oceanographic topics.

#### CO4. Student Evaluation:

- I. Assess student knowledge and understanding through quizzes, exams, and assignments.
- II. Assess the development of critical thinking and problem-solving skills through case studies.
- III. Evaluate the effectiveness of student communication skills through oral examination.

#### **TITLE: AGRICULTURE GEOGRAPHY Code: DSC D48**

##### PO1: Relating to Knowledge

- I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Agriculture Geography, as well as evolution of agriculture over different periods in history and its impact on society.
- II. Students will be able to explain the significance of Agricultural Geography in various fields, including agriculture, ecology, land use planning, and environmental management.
- IV. Students will have a thorough understanding of the factors that influence soil formation and the physical and chemical properties of soils.

##### PO2: Understanding and application

- I. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.
- II. Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.
- III. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

##### PO3: Students Skills

- I. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.
- II. Students will have gained practical knowledge of pH and NPK soil analysis.
- III. Students will be able to use GIS for studying soil ecology and planning.
- IV. Student will start up soil test laboratory.

##### PO4: Students Evaluation

- I. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.
- II. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

III. Students will be evaluated on their practical skills related to soil profile, soil sample tools, soil analysis.

**TITLE: Tourism Geography Code: GE I and GE II**

**PO1: Relating to Knowledge:**

I. Students will be demonstrated a comprehensive understanding of the definition of tourism and tourist and knowledge of the nature and scope of tourism geography.

II. Students will be recognized the significance of studying tourism geography in tourism planning, development, and management. Students will be able to identify and describe the components of tourism and their interrelationships.

III. Students will classify tourism based on various criteria and analyze recent trends in the industry.

IV. Understand tourism's historical development, from ancient to contemporary periods.

V. Identify tourism's role in the national economy and the process of planning in India.

VI. Recognized different types of tourism centers in India and Maharashtra.

VII. Summarize the key components of travel documentation.

**PO2: Relating to Understanding and Application:**

I. Students will apply their understanding of tourism geography concepts to analyze the impacts of tourism on economic, socio-cultural, and environmental aspects.

II. Students will comprehend the principles of sustainable development in tourism and apply them to address the challenges and opportunities in the industry.

III. Students will demonstrate an understanding of the use of computer technologies in various aspects of tourism geography, such as e-ticket booking, destination search, promotion, mapping, and distance calculations.

IV. Students will be able to interpret and analyze data collected through field surveys, interviews, questionnaires, and sampling techniques in tourism geography research.

V. The students will be able to evaluate tourism's impact on the economy and apply planning principles.

VI. Analyze characteristics of tourism centers and assess sustainable practices.

**PO3: Relating to Students' Skills:**

I. Students will develop critical thinking skills to evaluate and assess the economic, socio-cultural, and environmental impacts of tourism.

II. Students will enhance their technological skills in using computer applications for various tasks related to tourism geography.

III. Students will develop practical skills in conducting field surveys, interviews, questionnaires, and sampling techniques for data collection in tourism geography research.

IV. Students will improve their communication skills by effectively presenting and conveying

Information related to tourism geography.

V. Develop critical thinking and research skills for analyzing tourism strategies.

VI. Enhance communication and teamwork skills through presentations and group activities.

VII. Improve time management and organizational skills.

PO4: Relating to Students' Evaluation:

I. Students will be able to critically evaluate the classification of tourism based on different criteria and analyze the recent trends in the tourism industry.

II. Students will demonstrate their ability to assess the economic, socio-cultural, and environmental impacts of tourism using appropriate evaluation methods.

III. Students will develop the skills to evaluate the effectiveness of computer applications in tourism geography and their contribution to sustainable tourism practices.

IV. Students will apply their knowledge and skills in data collection techniques to evaluate the

Reliability and validity of primary data in tourism geography research.

V. Demonstrate knowledge through assessments.

VI. Apply theoretical knowledge to real-world scenarios and case studies.

VII. Active participation in discussions and presentations.

### As Per old Syllabus

Class and Duration	Course	Course Outcomes	
B. A. I (Old) (2017-2021)	Paper-I Physical Geography (DSE-	CO-1	Acquaint with physical geography with reference to nature, importance and role climate of earth.
			Acquire geographical values through interior of the earth, atmosphere in human beings life.
	Paper - II Human Geography (DSE-II)	CO-3	Apply geographical competence in practical usage.
		CO-1	Acquaint with different terms and definitions used in Human Geography.
		CO-2	Acquire the skill of maintaining environmental balance with reference to Human Geography.
		CO-3	Apply various issues related to population, agriculture and settlement.

B. A. II (2019-2020 Onward)	Paper III - Soil Geography (DSE- III)	CO-1	Familiarize with the basic and fundamental concept of Soil geography.
		CO-2	Understand soil is key resource for the development of any country.
		CO-3	Aware about process of soil formation and development as well as soil properties.
		CO-4	Know classification, characteristics and distribution of soil with reference to Maharashtra.
		CO-5	Acquaint with the concept, need and methods of soil profile, soil analysis and soil management.
	Paper IV: Resource Geography (DSE- IV)	CO-1	Understand the concept and classification of resources.
		CO-2	Examine the major resources (Water, Forest, Energy and Human) with their distribution, utilization and problems.

		CO-3	Study the sustainable resource development.
		CO-4	Become aware the importance of natural resources and its preservation in the change of climate.
		CO-5	Apply theoretical knowledge and its use in practical work.
	Paper V: Oceanography (DSE- V)	CO-1	Understand oceanography as the fundamental branch of physical Geography.
		CO-2	Acquaint the term marine as the key resource for the development of any country.
		CO-3	Acquire the knowledge about physical and chemical properties of oceans.
		CO-4	Become familiar with types of ocean currents and currents of Atlantic, Pacific & Indian Ocean.
		CO-5	Apply Hypsographic Curve, Wind Rose, Isotherm & Isohaline in practical work.
	Paper VI: Agriculture Geography (DSE- VI)	CO-1	Understand the concept and development of
		CO-2	Examine the role of agricultural determinants towards the changing cropping pattern.
		CO-3	Study the green revolution.
		CO-4	Become familiar with the agricultural concepts.
		CO-5	Apply modern technologies in crop diversity, crop combination, and crop management.
B.A. Part-II (2019-2020 Onward)	Concepts In Tourism Geography Generic Elective (IDS) Sem. – III, Course - I	CO-1	To familiarize the students with aspects of tourism which have a relation with the subject matter of Geography.
		CO-2	To orient the students to the logistics of tourism industry and the role of tourism in regional development.
		CO-3	To understand the impact of tourism on physical and human environments.
		CO-4	To familiarize the students with local, regional and national tourism.
	Development And Planning Of Tourism Generic Elective (IDS) Sem. – IV, Course - II	CO-1	To familiarize the students with aspects of tourism which have a relation with the subject matter of Geography
	Tourism Geography (GE)	CO-2	To orient the students to the logistics of tourism industry and the role of tourism
		CO-3	To understand the impact of tourism on physical and human environments.



B. A. Part – III, (CBCS) (2020-2021 Onward)	Paper No. VII, Evolution of Geographical Thought (DSE-E106)	CO-4	To familiarize the students with local, regional and national tourism.
		CO-1	Student should be able to understand in-depth about the Evolution of Geographical Thought.
		CO-2	Students should be able to analyse the recent trends in geography.
		CO-3	Student should be able to make use of various models of paradigms and debates in the geographical studies.
	Paper No. VIII, Geography of India.( DSE- E107)	CO-4	Understanding of recent trends in geography.
		CO-1	In depth understanding the dimensions and physiography of India.
		CO-2	The students are fully aware about the climatic seasons in India.
		CO-3	Detailed knowledge about soils, vegetations, drainage systems in India.
		CO-4	Understanding an importance of agriculture and industry in Indian
	Paper No. IX, POPULATION GEOGRAPHY (DSE - E108)	CO-5	Detailed knowledge about the economic setup of the India.
		CO-1	This paper would bring an understanding of population geography along with relevance of demographic data.
		CO-2	The students would get an understanding of distribution and trends of population growth in the developed and less developed countries, along with population concepts.
		CO-3	The students would get an understanding of the dynamics of population.
		CO-4	An understanding of the implications of <del>population composition in different regions</del> of the world.
		CO-5	An appreciation of the contemporary issues <del>in the field of population studies</del>
	Economic	CO-1	In depth understanding about the economic geography.

Geography (DSE-E231) Paper No. X,	CO-2	Detailed knowledge about locational factors of economic activities with
	CO-3	Detailed understanding of the basics concepts related to manufacturing and major manufacturing industries
	CO-4	Understanding of the transport and trade.
	CO-1	The students were known the importance of urban settlements through urban geography.
Urban Geography (DSE- E232) Paper No. XI,	CO-2	The students understood the types of Urban Settlements, Site and Situations.
	CO-3	The students were familiar with an idea of relationship between human activities and urban development.
	CO-4	Detail understanding of students regarding present urban problems and students are capable to handling of present problematic situations in urban areas.
	CO-5	The students are developed as a good urban planner and environmental conservator.
	CO-1	The students are fully aware about the Political geography as a fundamental branch of Human Geography.
POLITICAL GEOGRAPHY (DSE – E 233) Paper, No. XII,	CO-2	The students are familiarized with the basics and fundamental concepts and theories of Political
	CO-3	The students are aware about resource conflicts and politics of displacement.
	CO-1	In depth understanding the map, concept of scale and projection.
Paper No. XIII, or Practical Paper - I) Fundamentals of Map Making and	CO-2	Detailed knowledge about the analysis of landforms and its identification.
	CO-3	The students are deeply aware about basic information to the students about S.O.I. topomaps and I.M.D. weather maps and obtained the skills about map interpretation.
Map Interpretation (DSE-E234)		

		CO-4	The students are deeply familiar with different cartographic techniques and methods used for representation of demographic and physio- socio- economic database.
	Paper No. XIV, or (Practical Paper - II), Advanced Tools Techniques & Field Work in Geography (DSE-E235)	CO-1	In depth understanding the importance of field work and advanced Techniques in Geography.
		CO-2	The students are trained to implement modern tool and techniques in Geography.
		CO-3	Detailed knowledge about the use of computer for analysis of Geographical data.
		CO-4	The students are deeply aware about the basics and trained in instrumental survey.
		CO-5	The students are deeply familiar with computer, GIS, GPS and Remote Sensing.