Mahatma Phule Shikshan Sanstha's

Karmaveer Bhaurao Patil College, Urun-Islampur

Tal- Walva, Dist.-Sangli-415 409

Department of Geography

COURSE OUTCOMES UG

Bachelor of Science (B. Sc. in Geography)

B. Sc. Part-I (Semester – I and II)

- **DSC-I: Physical Geography-I**

Name of the Programme: B. Sc. (GEOGRAPHY)
Class: B. Sc. I Semester: I
Name of Vertical Group: DSC-I (V-1)

Course Outcomes:

1. The students will possess a comprehensive understanding of Physical Geography, branches and fundamental laws.
2. They will demonstrate proficiency in analysing rocks weathering, interpreting endo/exogenetic Earth movements, and of Wind and Precipitation
3. Applying theoretical knowledge to real-world scenarios, emphasizing disaster management, urban planning and transportation.

- **DSC-II: Physical Geography-II (Geography)**

Name of the Programme: B. Sc. (GEOGRAPHY)
Class : B. Sc. I Semester : I
Name of Vertical Group : DSC-II (V-1)

Course Outcomes:

1. of the properties of the atmosphere and its components in detail.
2. about the concepts of temperature and atmospheric pressure.
3. of the forms of precipitation and rainfall.
4. of monsoon and climate change.

- **DSC Practical-I: Representation of Geo Data-I**

Name of theProgramme : B. Sc. (GEOGRAPHY)
Class : B. Sc. I
Semester : I
Name of Vertical Group : DSC P-I (V-2)
Course Title :Practical- I: Representation of Geo Data
Total Credit : 02

Course Outcomes:

1. The students will be able to represent geomorphological data of relief features.
2. The students will be able to represent geomorphological data of slope.
3. The students will be get information of climatic instruments with its principles, structure, function and use.
4. The students will be able with different methods of climatic data presentation.

- **DSC-III: Human Geography-III (Geography)**

Name of the Programme: B. Sc. (GEOGRAPHY)
Class: B. Sc. I Semester: II
Name of Vertical Group : DSC-III (V-1)
Course Title :Human Geography-III
Course Outcomes:
1. The students will be familiar with the basics of Human Geography as a branch of Geography.
2. The students will have the knowledge of man-environment relationship and the human races with racial groups.
3. The students will be simply assessing the factors affecting on distribution of population.
4. The students will be aware with the Malthus's theory of population growth and selected components of population.

- **DSC-IV: Human Geography-IV**

Name of the Programme: B. Sc. (GEOGRAPHY)
Class : B. Sc. I
Semester : II
Name of Vertical Group :DSC-IV (V-1)
Course Outcomes:
1. The students will be get knowledge of economic activities and their importance.
2. The students will be familiar with mode of transport and discover the different types of jobs we have today.
3. The students will have detail information of the basics of Human Development Index (HDI)
4. The students will be aware with the theories related to the agricultural land use and location of industries.

- **DSC Practical -II: Representation of Geo Data-II (Geography)**

Name of the Programme : B. Sc. (GEOGRAPHY)
Class : B. Sc. I
Semester : II
Name of Vertical Group : DSC P-II (V-1)
Course Title : Practical- II: Representation of Geo Data-II
Total Credit : 02
Course Outcomes:
1. The students will know the concept of pictorial maps and its practical applications.
2. The students will be getting practical knowledge regarding real presentation of spatial unit of earth surface.
3. The students will be applying their knowledge of the quantitative techniques related to settlements.
4. The students will be prepared with contemporary modern tool and techniques (Google Earth) for different basic conditions of settlements.

Bachelor of Arts (B. A. in Geography)

B.A.-I

Course Title: Fundamentals of Geomorphology-I

Name of the Programme: B.A. (GEOGRAPHY)

Class: B.A.-I Semester: I

Course Outcomes:

1. Students will possess a comprehensive understanding of the solar system, Earth's origin, and geological era.

2. They will demonstrate proficiency in analyzing rocks, process of weathering, river erosional and depositional feature and apply knowledge for urban planning.

3. Students will familiarise with cartography and understand importance of Bhuvan and Google earth portal.

4. Students will acquire ability of conversion of scale, download satellite data, calculate slope and draw profile manually as well as with the help of web portal.

- **Course Title: Introduction to Climatology-II**

Name of the Pragramme: B.A. (GEOGRAPHY)

Class: B.A. I Semester: II

Course Outcomes:

1. Comprehensive Understanding: Students will demonstrate a thorough comprehension of basic weather and atmospheric processes, composition and structure of the Atmosphere.

2. Atmospheric Proficiency: Student will analyse the composition, structure, and significance of the atmosphere, utilizing IMD data and various sources.

3. Environmental Awareness: Student will investigate global issues such as global warming, climate change.

4. Student will able to interpret daily weather condition and predict weather forecast.

Minor-P 01: Physical Geography-I

Name of the Pragramme: B.A. (GEOGRAPHY)
Class: B.A.-I Semester: I

Course Outcomes:

1. Students will possess a comprehensive understanding of the solar system, Earth's origin, and plate tectonic theory.

2. They will demonstrate various features created by erosional activity of river, sea waves.

3. Students will apply theoretical knowledge to real-world scenarios, emphasizing disaster management, urban planning.

4. Students will draw graphical scale, cross profiles and calculate slope and get experience of current satellite data of NASA Worldview Portal.

- **Minor-P 02: Physical Geography-II**

Name of the Pragramme: B.A. (GEOGRAPHY)
Class: B.A.-I Semester: II

Course Outcomes:

1. Atmospheric Proficiency: Students will analyse the composition, structure, and significance of the atmosphere, utilizing IMD data and various sources.

2. Environmental Awareness: Students will demonstrate thorough comprehension of basic weather and global warming, climate change, floods, droughts.

3. Comprehensive Understanding: Student will understand various components of weather and able to interpret Indian Daily Weather Maps.

4. Student will able to interpret satellite image and learn various method of representation climate data and learn parameters of weather forecast.

- **IDC P01 & 02: Science, Technology and Development (STD) – I and II**

Name of the Programme: B.A.I (STD)
Class: B.A.-I
Semester: I and II

Course Outcomes:

1) Understand in-depth about the concepts of science, technology and development.

2) Understand impact of science and technology on human health.

3) Develop practical skills related to one dimensional graph and two dimensional diagrams.

4) Applications of skills related to Sampling, Preparation of Questionnaire and Schedule and Data tabulation and Interpretation.

5) Understand types of disasters and its management and its application in real life.

6) Understand means of communication and space research.

7) Develop practical skills in Google Earth, Design Blog, Website, Podcast and vodcast, NDLI: register and review of book, article etc.

8) Develop practical skills in Fire Extinguisher, Rain Guage, Isolines, Preparation of Disaster Management Plan.

- **OE P01: Natural Disaster Management and Field Work –I**

Name of the Pragramme: B.A. (GEOGRAPHY)
Class: B.A.-I/ B. A. B. Ed.-I
Semester: I
Name of Vertical Group: OE (OPEN ELECTIVE COURSE)

Course Outcomes:

1. Students will define and explain key concepts related to natural hazards and disaster risk reduction.

2. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of natural hazards.

3. Students will identify natural hazards and conduct hazard and risk assessments using appropriate methodologies.

4. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities.

5. Students will conduct field work in physical and human geography, besides investigating socio-economic and environmental issues.

- **OE P02: Manmade Disaster Management and Surveying-II**

Name of the Programme: B.A. (GEOGRAPHY)
Class: B.A.-I Semester: II
Name of Vertical Group: OE (OPEN ELECTIVE COURSE) – II
Course Outcomes:

1. Students will define and explain key concepts related to manmade hazards and disaster risk reduction.

2. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of manmade hazards.

3. Students will identify manmade hazards and conduct hazard and risk assessments using appropriate methodologies.

4. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities.

5. Students will correlate knowledge, skills and expertise to identify geographical issues.

- **SEC P01: Basics of Remote Sensing-I**

Name of the Programme: B.A. (GEOGRAPHY)

Class: B.A.-I Semester: I

Name of Vertical Group: SEC (V-4)

Course Outcomes:

1. Define and contextualize remote sensing's historical evolution in Geography and Environmental Studies.
2. Differentiate between various remote sensing platforms and their data acquisition techniques.
3. Explain principles related to aerial photography, electromagnetic radiation, and satellite remote sensing technologies.

- **SEC P01: Basic Concept of Tourism-I**

Name of the Pragramme:B.A. (GEOGRAPHY)

Class: B.A.-I Semester : I

Name of Vertical Group: SEC (V-4)

Course Outcomes:

1. Demonstrate a comprehensive understanding of the fundamental concepts and historical evolution of tourism, discussing its global perspectives and interconnections with related domains like pilgrimage, recreation, and leisure.
2. Assess and critically analyze the multifaceted impacts of tourism on the economy, environment, and society, fostering a holistic perspective of its implications.
3. Evaluate diverse types of tourism, recent trends in international and regional tourism, and emerging concepts such as eco-tourism and sustainable tourism, integrating geographical parameters to comprehend the evolving nature of the industry.

- **SEC- P02: Basics of Remote Sensing - P II**

Name of the Pragramme : B.A. (GEOGRAPHY)

Class: B.A.-I Semester: II

Name of Vertical Group: SEC (V-4)

Course Outcomes:

1. Demonstrate a mastery of remote sensing fundamentals in interpreting satellite imagery for various land analysis purposes.
2. Exhibit proficiency in applying classification methods and employing advanced techniques for precise land cover analysis.
3. Apply remote sensing techniques practically in feature extraction, land cover analysis, disaster response, and recovery scenarios.

- **SEC P02: Components of Tourism-II**

Name of the Pragramme: B.A. (GEOGRAPHY)

Class : B.A.-I Semester : II

Name of Vertical Group: SEC (V-4)

Course Outcomes:

1. Demonstrate an in-depth understanding of the diverse components that constitute tourism, including ecological, cultural, and urban perspectives.
2. Critically analyze and discuss the tourism landscape in India, including World Heritage Sites, infrastructure development, challenges, and regional case studies.
3. Evaluate the National Tourism Policy of India, identifying its strengths, weaknesses, and implications for the tourism industry.

- **IKS- P 01: Cultural Geography of India-I**

Name of the Pragramme : B.A. (GEOGRAPHY)
Class : B.A.-I Semester : I
Name of Vertical Group: IKS (V-5)

Course Outcomes:

1. The students will deeply understand the impact of geographical factors on the cultural geography of India.
2. The students will merely recognize and analyze the linguistic, religious, and ethnic diversity in India
3. The student can easily compare and contrast cultural dynamics in different zones of India.
4. The students will gain an in-depth understanding of cultural diversity and geographical influences on Indian culture.

- **CE: Acquisition of Social Data**

Name of the Pragramme: B. A. (GEOGRAPHY)
Class : B. A. / B. A. B. Ed.-I
Semester : II
Name of Vertical Group: CEP (V-6)
Course Outcomes:

1. The Students will be aware about data types of data and its sources.
2. The Students will familiar with issues and common challenges of data collection.
3. The Students will know the characteristics of social data.
4. The Students will able to acquire social data through various techniques.

- **CC: Geographical Photography**

Name of the Pragramme : B.A. (GEOGRAPHY)
Class : B. A Semester : II
Name of Vertical Group : CC(V-6)
Course Outcomes:

1. The Students will be better understanding history of the photography and its role in conservation.

2. The Students will familiar with the useful camera settings.

3. The Students will develop behaviours such as curiosity, initiative and persistence that will help them engage with the world in productive ways.

4. The Students will able to see the nature in ways never imagined before.

5. The Students will have opportunities to work in the field of nature and wildlife.

B. A. – II, Semester- III,

Title- Soil Geography (Paper -3) **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.

B. A. – II, Semester- III,

Title- Resources Geography (Paper -4) **Code: DSC D20**

CO1: Relating to Knowledge

II. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Resource Geography.

III. Students will be able to explain the significance of Resource Geography in various fields, including agriculture, industry, transportation, and environmental management.

IV. Students will have a thorough understanding about the distribution, utilization and problems of worldwide major resources.

CO2: Understanding and application

III. Students will be able to comprehend the sustainable resource development

IV. Students will be able to apply the knowledge of resource geography in real-world scenarios, such as management and conservation of resources.

V. Students will be able to the classify of resources based on their characteristics and their worldwide distribution.

VI. 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.

B. A. – II, Semester- III,

Title- Oceanography (Paper -5) **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 ocean currents and their origins in different ocean.

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 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.

B. A. – II, Semester- III,

Title- Agricultural Geography (Paper -6) 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

II. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.

VII. 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.

IV. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

PO3: Students Skills

IV. By the end of the course, students will have developed practical skills related to soil profile

and soil sample tools.

III. Students will have gained practical knowledge of pH and NPK soil analysis.

IV. Students will be able to use GIS for studying soil ecology and planning.

V. 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.

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COURSE OUTCOMES
of B. A. Part-III, Sem- V, NEP-2020 (2024-25)
SEM V

1. Evolution of Geographical Thought E106 or Paper No. VII

1) Student should be able to understand in-depth about the Evolution of Geographical Thought.

2) Students should be able to analyse the recent trends in geography.

3) Student should be able to make use of various models of paradigms and debates in the geographical studies.

4) Understanding of recent trends in geography.

2 Geography of India Paper – E107 or VIII

1) In depth understanding the dimensions and physiography of India.

2) The students are fully aware about the climatic seasons in India.

3) Detailed knowledge about soils, vegetation's, drainage systems in India.

4) Understanding an importance of agriculture and industry in Indian economy. 5) Detailed knowledge about the economic setup of the India.

3 Population Geography Course/ Paper No. E108 or IX

1) This paper would bring an understanding of population geography along with relevance of demographic data.

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.

3) The students would get an understanding of the dynamics of population.

4) An understanding of the implications of population composition in different regions of the world.

5) An appreciation of the contemporary issues in the field of population studies

COURSE OUTCOMES
of B. A. Part-III, Sem- VI

1 Economic Geography E231 or Paper No. X

1) In depth understanding about the economic geography.

2) Detailed knowledge about locational factors of economic activities with special reference to agriculture and industry.

3) Detailed understanding of the basics concepts related to manufacturing and major manufacturing industries (selected countries) of the world.

4) Understanding of the transport and trade.

2 Urban Geography Paper No: XI

1) The students were known the importance of urban settlements through urban geography.

2) The students understood the types of Urban Settlements, Site and Situations. 3) The students were familiar with an idea of relationship between human activities and urban development.

4) Detail understanding of students regarding present urban problems and students are capable to handling of present problematic situations in urban areas.

5) The students are developed as a good urban planner and environmental conservator

3 Political Geography Paper No: XII

1)The students are fully aware about the Political geography as a fundamental branch of Human Geography.

2) The students are familiarized with the basics and fundamental concepts and theories of Political Geography.

3) The students are aware about resource conflicts and politics of displacement.

Practical Paper No. XIII, XIV.

Course Outcomes

1. Fundamentals of Map Making and Map Interpretation Paper No. XIII (Practical Paper -I)

1. In depth understanding the map, concept of scale and projection.

2. Detailed knowledge about the analysis of landforms and its identification.

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.

4. The students are deeply familiar with different cartographic techniques and methods used for representation of demographic and physio- socio-economic database

2. Advanced Tools, Techniques & Field Work in Geography Paper No. XIV (Practical Paper -II)

1. In depth understanding the importance of field work and advanced Techniques in Geography.

2. The students are trained to implement modern tool and techniques in Geography.

3. Detailed knowledge about the use of computer for analysis of Geographical data.

4. The students are deeply aware about the basics and trained in instrumental survey.

5. The students are deeply familiar with computer, GIS, GPS, and Remote Sensing.