Balasaheb Desai College, Patan

Department of Geography

PROGRAM /COURSE OUTCOME

B.A. Geography Degree (Basic/ Honours)

as per the Choice Based Credit System (CBCS) designed in accordance with Learning Outcomes-Based Curriculum Framework (LOCF) National Education Policy (NEP) 2020

PROGRAM OUTCOMES:

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

PO1: Relating to Knowledge

1.1 Provide explanation of definitions, relevant terms and concept of geography.
1.2 Provide better explanation about relevant principles, theories and models in geography.
1.3 Provide idea about detail knowledge regarding man and environmental process.

PO2: Understanding and application

2.1 Know the importance of spatio-temporal scale.
2.2 Know the relation or complex nature between physical and human environments.
2.3 Identify the importance of places, environment and people.
2.4 Understand how processes bring changes in systems and its distribution.

PO3: Students Skills

3.1 Collection, representation and Interpretation of geographical data and sources.
3.2 Presentation of geographical evidence and ideas with identifying geographical trends and patterns.
3.3 Application of the cartographical techniques to support the inferences of geographical aspects.
3.4 Make obvious skill of analysis of geographical information.

PO4: Students Evaluation

4.1 Critically evaluate the basics of geography.
4.2 Assess the effects of geographical processes and its impact on physical and human environments.
4.3 Assess how the viewpoints of different groups of people, potential conflicts of interest and other factors interact in the management of physical and human aspects.
4.4 Evaluate the relative success of failure of initiatives.

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PROGRAMME SPECIFIC OUTCOME (PSO) B. A. Part-I

1) The Students are known the branches of Geography and latest concepts in Physical Geography Specifically in Atmosphere, Lithosphere, Fluvial Cycle and Hydrosphere.

2) The students are understood the Human races, Population growth, Characteristics of Population and Settlements.

COURSE OUTCOMES
B. A.Part-II
(Introduced from June, 2023 onwards)
DSC – D 19 (Course / Paper No. III)
Geography (Soil Geography) Semester -III

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.

COURSE OUTCOMES

B. A.Part-II, DSC – D 20 (Paper No. IV)

Geography (Resource Geography) Semester – III

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 aboutthe distribution, utilization and problemsof worldwide major resources.

CO2: Understanding and application

III. Students will be able to comprehendthe 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.

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COURSE OUTCOMES
B. A. Part-II / B. A. B. Ed.
(Introduced from June, 2023 onwards)
DSC – D 47 (Course / Paper No. IV)
Geography (Oceanography) Semester –IV

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.

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Course Outcomes
B. A. Part-II
(Introduced from June, 2023 onwards)
DSC – D 48 (Course / Paper No. VI)
Geography (Agriculture Geography) Semester –IV

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

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

III. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

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

Upon completion of this course, students will be able to:
1. Explain the nature, scope and significance of agricultural geography and its relationship with other disciplines.

2. Analyze the evolution of agriculture over different periods in history and its impact on society.

3. Identify the physical and human factors that determine agricultural practices and land-use patterns in different regions of the world.

4. Evaluate the major agricultural systems and their suitability in different ecological and socio-economic conditions.

5. Analyze Von Thunen’s theory of agricultural land-use and its relevance in modern times.

6. Understand agricultural regionalization and its implications for crop diversification and production.

7. Identify and evaluate the major physical and socio-economic problems affecting agriculture and food security in different regions of the world.

8. Analyze the impact of modern concepts in agriculture, such as the green revolution and organic farming.

9. Understand the distribution pattern of food and nutrition globally and its relationship with hunger and malnutrition.

10. Identify the causes and spatial pattern of hunger and evaluate strategies for its eradication.

11. Understand the relationship between nutrition and health and analyze the major challenges and opportunities for improving nutritional outcomes globally.

12. Apply basic cartographic skills to represent and analyze agricultural data using line and bar graphs, divided circle, proportional square, and choropleth maps.

COURSE OUTCOMES
B. A. Part-II
(Introduced from June, 2023 onwards)
GE- I / IDS (Course / Paper No. I)
Geography (Concepts of Tourism Geography) Semester –III

Upon completion of this course, students will be able to:

PO1: **Relating to Knowledge:**

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

 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.

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

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

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

 Recognized different types of tourism centers in India and Maharashtra.

 Summarize the key components of travel documentation.

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

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

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

 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.

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

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

 Analyze characteristics of tourism centers and assess sustainable practices.
 The students will be able to evaluate development and planning efforts in Maharashtra and destination case studies.

PO3: **Relating to Students' Skills:**
 Students will develop critical thinking skills to evaluate and assess the economic, socio-cultural, and environmental impacts of tourism.

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

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

 Students will improve their communication skills by effectively presenting and conveying information related to tourism geography.

 Develop critical thinking and research skills for analyzing tourism strategies.

 Enhance communication and teamwork skills through presentations and group activities.

 Improve time management and organizational skills.

PO4: **Relating to Students' Evaluation:**
 Students will be able to critically evaluate the classification of tourism based on different criteria and analyze the recent trends in the tourism industry.

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

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

 Students will apply their knowledge and skills in data collection techniques to evaluate the reliability and validity of primary data in tourism geography research.

 Demonstrate knowledge through assessments.

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

 Active participation in discussions and presentations.

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COURSE OUTCOMES
B. A. Part-III and B. A. B. Ed. Geography
(Introduced from June 2020 onwards)
Semester – V E106 or Paper No. VII, Title of Paper: Evolution of Geographical Thought

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.

COURSE OUTCOMES
B. A. Part-III and B. A. B. Ed. Geography
Semester – VI, E231 or Paper No. X Title of Paper: Economic Geography

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.

COURSE OUTCOMES
B. A. Part-III and B. A. B. Ed. (Semester -V)
Paper – E107 or VIII, Title of Paper - Geography of India.

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.

Course Outcomes
B. A. Part-III and B. A. B. Ed. Geography
Semester – V, Course/ Paper No. E108 or IX, POPULATION GEOGRAPHY

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 OUTCOME
B. A. Part-III and B. A. B. Ed. Geography
Semester – VI, DSE – E 233 or XII, Title of Paper:- POLITICAL GEOGRAPHY

i) The students are fully aware about the Political geography as a fundamental branch of Human Geography.
ii) The students are familiarized with the basics and fundamental concepts and theories of Political Geography.
iii) The students are aware about resource conflicts and politics of displacement.

COURSE OUTCOMES
B. A. Part III and B. A. B. Ed. Geography
DSE-E234 or Paper No. XIII (Practical Paper –I), Sem-V
Title of Paper: Fundamentals of Map Making and Map Interpretation

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

COURSE OUTCOMES
B. A. (Part III) Geography
DSE-E235 or Paper No. XIV (Practical Paper -II)
Title of Paper - Advanced Tools, Techniques & Field Work in Geography

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.

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