Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Geography

POs, PSOs and COs

PROGRAMME OUTCOMES

After successfully completing this programme the student are expected to imbue with following quality which help them in their future life to achieve the expected goals.

PO 1: Realization of human values and virtues.

PO 2: Development of moral values.

PO 3: Sense of social awareness and social service.

PO 4: Inculcating values of responsible citizen.

PO 5: Creating critical approach towards social problems.

PO 6: Created innovative sense in their specialized discipline.

PO 7: Developing communication skills.

PO 8: Gained analytical ability.

Head of the Department

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PROGRAMME SPECIFIC OUTCOMES

After completion of this programme students will be able to: -

PSO 1: Outline the importance of geography as the earth science and interrelationship with other disciplines of knowledge.

PSO 2: Acquire knowledge of physical geography particularly formation of landform and its associated processes, world distribution of flora and fauna and their factors, marine resources etc.

PSO 3: Gain the knowledge regarding elements and factors affecting on climate and its influence on mankind in a global perspective.

PSO 4: Explain the man and nature relationship and their significance.

PSO 5: Able to know physical environment and their impact on biotic and non-biotic aspects.

PSO 6: Use the population data including estimation of population, causes and consequences of population growth, population theories and population policies.

PSO 7: Illustrate knowledge of statistical data, analyze and interpretation.

PSO 8: Categorised the maps, map making and reading.

PSO 9: Earn knowledge of advance technologies including interpretation of Satellite Imagery, Aerial Photographs, Geographical Information System and Global Positioning System (GPS).

PSO 10: Acquire expertise in various types of surveys like plane table, prismatic compass, subsequently able to prepare map on local level for the planning purpose.

Head of the Department

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COURSE OUTCOMES

After successfully completing this course the student are expected to imbue with following quality which help them in their future life to achieve the expected goals.

➢ Physical Geography (I)

CO 1. The Students will possess a comprehensive understanding of Physical Geography, Branches and fundamental laws.

CO 2. They will demonstrate proficiency in analyzing rocks weathering, interpreting endo / exogenetic earth movement and wind and precipitation

CO 3. Applying theoretical knowledge to real-world scenarios, emphasizing disaster Management urban planning and transportation

➢ Human Geography (II)

CO 4. The Students will understand the basics of human geography through its branches, and the man environment relationships

CO 5. Population awareness: students will gain insights into factors influencing global and Indian population distribution, addressing overpopulation challenges and examining Malthus's population theory

CO 6. The students will learn the spatial-relationship between Transportation and economic activity

CO 7. The students will get knowledge of human development index (HDI) and will play pivot role in human development

➢ Fundamentals of Tourism (I)

CO 8. 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

CO 9. Assess and critically analyze the multifaceted impacts of tourism on the economy, environment, and society, fostering a holistic perspective of its implications

CO 10. 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

➢ Components of Tourism –II

CO 11. Demonstrate an in-depth understanding of the diverse components that constitute tourism, including ecological, cultural, and urban perspectives

CO 12. Critically analyze and discuss the tourism landscape in India, including World Heritage Sites, infrastructure development, challenges, and regional case studies

CO 13. Evaluate the National Tourism Policy of India, identifying its strengths, weaknesses, and implications for the tourism industry

➢ Natural Disaster Management –I

CO 14. Students will define and explain key concepts related to natural hazards and disaster risk reduction

CO 15. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of natural hazards

CO 16. Students will identify natural hazards and conduct hazard and risk assessments using appropriate methodologies

CO 17. 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

➢ Manmade Disaster Management –II

CO 18. Students will define and explain key concepts related to manmade hazards and disaster risk reduction

CO 19. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of manmade hazards

CO 20. Students will identify manmade hazards and conduct hazard and risk assessments using appropriate methodologies

CO 21. 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

➢ Environmental Geography (III)

CO 22. Demonstrate an understanding of key concepts of Environmental Geography.

CO 23. Critically analyze environmental problems at local, national, and global levels, such as pollution, global warming, climate change, ozone depletion, and biodiversity loss.

CO 24. Identify the causes and effects of various environmental issues from a geographical perspective.

CO 25. Gain knowledge of the role of national, and local governments, organizations, and policies in managing environmental resources, environmental planning and management and addressing environmental challenges.

➢ Basics of Map Making (Practical) (IV)

CO 26. Explain the fundamental concepts, historical development, and different types of maps

CO 27. Identify, utilize, and convert various map scales accurately in practical applications

CO 28. Understand, classify, and accurately draw different map projections based on their properties

CO 29. Design balanced and visually appealing map layouts, create thematic maps, and employ modern mobile mapping tools for data collection and analysis

➢ Resource Geography (Minor) (I)

CO 30. Remembering & Understanding: Define Resource Geography and explain its scope, classification, and importance.

CO 31. Applying: Illustrate and interpret the patterns of distribution, utilization, and issues associated with water, forest, land, and human resources.

CO 32. Analysing & Evaluating: Analyse conservation techniques and assess the effectiveness of sustainable development practices like JFM, rainwater harvesting, and ZBNF.

CO 33. Creating: Propose integrated resource planning solutions based on Indian models (e.g., Hiware Bazar) to achieve sustainable development goals

➢ Physical Geography of Maharashtra (V)

CO 34. Knowledge of Maharashtra's Geography: Students will gain a detailed understanding of Maharashtra's location, its formation, physiographic division, and climatic conditions.

CO 35. Application of Geographical Knowledge: Students will be able to analyse and propose solutions to regional challenges such as floods, droughts, and energy shortages, contributing to sustainable development.

CO 36. Water Resource Management Skills: Students will understand the geographical distribution and management of river and water bodies for proper utilization of water in Maharashtra.

CO 37. Sustainability Awareness: Students will develop insights into issues like soil degradation, deforestation, biodiversity and its loss, along with strategies for their mitigation.

➢ Quantitative Techniques in Geography (Practical) (VI)

CO 38. The students would familiar with the different quantitative techniques and methods.

CO 39. The students would prepared for analysis of population dynamics with help of quantitative techniques.

CO 40. The students would understand the different quantitative techniques in network analysis.

CO 41. The students would apply composed knowledge of agricultural regionalization and settlement characteristics.

➢ Cultural Geography (Minor) (II)

CO 41. Define and explain the core concepts of cultural geography, including the man environment relationship and the scope of the field. (Bloom's Level: Remember, Understand)

CO 42. Identify and interpret the spatial distribution and cultural significance of elements like language, religion, ethnicity, and race. (Bloom's Level: Understand, Analyze)

CO 43. Assess cultural diffusion processes and distinguish between various cultural landscapes and regions of the world. (Bloom's Level: Analyze, Evaluate)

CO 44. Examine and reflect on India's cultural diversity, heritage, festivals, and their importance in cultural tourism and national identity. (Bloom's Level: Apply, Evaluate)

➢ Soil Analysis (VSC- I)

CO 45. The students will possess a comprehensive understanding of Soil Properties and Their Significance.

CO 46. They will demonstrate proficiency in correctly collect soil samples from various areas and prepare them for laboratory analysis.

CO 47. Practically the students will be performing scientific analyzer of soils.

CO 48. The students will be apply soil analysis data to overcome real-world problems related to soil fertility, erosion control, land reclamation, and sustainable agriculture.

➢ Geo-statistics and Data Visualization (SEC III)

CO 49. The students would demonstrate the ability to design and implement data collection methods for effective spatial and non-spatial data acquisition.

CO 50. The students will be prepared to make practical applications of geo-statistics for proper inferences.

CO 51. The students would develop the ability to use geo-statistical and visualization tools to address real-world geographical challenges and contribute to decision-making processes.

CO 52. The students would able to integrate statistical analysis with cartographic tools to address complex geographical problems.

➢ Water Survey and Mapping (VSC- II)

CO 53. Water Resources Knowledge: Students will describe different types of water resources and their significance locally and globally.

CO 54.. Practical Survey Skills: Students will gain hands-on experience in water surveys, mapping sources, and pollution identification using Google Earth and mobile apps.

CO 55. Water Harvesting Techniques: Students will apply their knowledge for rainwater harvesting to overcome on water scarcity.

CO 56. Water Analysis Techniques: The students will get practical knowledge of water

➢ Land Records (SEC III)

CO 57. The students will attentive about fundamental concepts and significance accurate land records.

CO 58. The students will capable for proper interpretation of different land record.

CO 59. The student got detailed knowledge of the open sources various softwares and portals related to land record.

CO 60. The students will be extract online land record from different online sources.

➢ Water Management Systems in Ancient India (IKS)

CO 61. Explain the historical context and significance of traditional water management systems in ancient India, recognizing the value of indigenous knowledge.

CO 62. Identify and describe traditional water harvesting and irrigation techniques, and assess their cultural and environmental significance through case studies.

➢ Emerging Trends in Tourism (OE I)

CO 63. Fundamentals of Tourism Industry: Students will gain a comprehensive understanding of the core principles, key sectors, and economic significance of the tourism industry. They will be able to identify and describe the main components and stakeholders within the industry.

CO 64. Tourism Classification and Factors: Students will develop the ability to classify different types of tourism and understand the various factors influencing tourism activities. They will be able to analyze the impact of these factors on tourism trends and patterns.

CO 65. Ecotourism and Rural Tourism Trends: Students will acquire knowledge about the latest trends in ecotourism and rural tourism, including sustainable practices, conservation efforts, and community-based tourism initiatives. They will be able to evaluate the benefits and challenges associated with these emerging tourism sectors.

CO 66. Health, Wellness, Sports, and Adventure Tourism: Students will gain insights into the growing sectors of health and wellness tourism, as well as sports and adventure tourism. They will be able to assess the motivations of tourists seeking these experiences and design tourism products and services that cater to these niche markets.

➢ Tourism Planning and Management (OE II)

CO 67. Students will be prepared to take on roles in tourism planning and management.

CO 68. Students will demonstrate skill in tourism marketing using technological tools.

CO 69. Students will be capable of designing sustainable tourism.

CO 70. Students will own the skills to develop entrepreneurial ventures.

➢ Evolution of Geographical thought (VII) DSC-E106

CO 71. Student should be able to understand in-depth about the Evolution of Geographical Thought .

CO 72. Students should be able to analyze the recent trends in geography.

CO 73. Student should be able to make use of various models of paradigms and debates in the geographical studies.

CO 74. Understanding of recent trends in geography.

➢ Geography of India (VIII) DSE-E107

CO 75. In depth understanding the dimensions and physiography of India.

CO 76. The students are fully aware about the climatic seasons in India.

CO 77. Detailed knowledge about soils, vegetations, drainage systems in India.

CO 78. Understanding an importance of agriculture and industry in Indian economy.

CO 79. Detailed knowledge about the economic setup of the India.

➢ Population Geography (IX) DSC-E-108

CO 80. This paper would bring an understanding of population geography along with relevance of demographic data.

CO 81. 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 82. The students would get an understanding of the dynamics of population.

CO 83. An understanding of the implications of population composition in different regions of the world.

CO 84. An appreciation of the contemporary issues in the field of population studies

➢ Economic Geography of India (X) DES-E-230

CO 85. In depth understanding about the economic geography.

CO 86. Detailed knowledge about locational factors of economic activities with special reference to agriculture and industry.

CO 87. Detailed understanding of the basics concepts related to manufacturing and major manufacturing industries (selected countries) of the world.

CO 88. Understanding of the transport and trade.

➢ Urban Geography (XI) DSE-E-231

CO 89. Detailed knowledge about the economic setup of the India.

CO 90. The students understood the types of Urban Settlements, Site and Situations.

CO 91. The students were familiar with an idea of relationship between human activities and urban development.

CO 92. Detail understanding of students regarding present urban problems and students are capable to handling of present problematic situations in urban areas.

CO 93. The students are developed as a good urban planner and environmental conservator.

➢ Political Geography (XII) DSC—E-232

CO 94. The students are fully aware about the Political geography as a fundamental branch of Human Geography.

CO 95. The students are familiarized with the basics and fundamental concepts and theories of Political Geography.

CO 96. The students are aware about resource conflicts and politics of displacement.

➢ Basics of map making and map interpretation (XIII) DSE-E233 (Practical paper I)

CO 97. In depth understanding the map, concept of scale and projection.

CO 98. Detailed knowledge about the analysis of landforms and its identification.

CO 99. The students are deeply aware about basic information to the students about S.O.I. Topo maps and I.M.D. weather maps and obtained the skills about map interpretation.

CO 100. The students are deeply familiar with different cartographic techniques and methods used for representation of demographic and physic- socio-economic database

Advanced Tools and techniques and Field work (XIV) DSE-E234 (Practical paper- II)

CO 101. In depth understanding the importance of field work and advanced Techniques in Geography.

CO 102. The students are trained to implement modern tool and techniques in Geography.

CO 103. Detailed knowledge about the use of computer for analysis of Geographical data.

CO 104. The students are deeply aware about the basics and trained in instrumental survey.

CO 105. The students are deeply familiar with computer, GIS, GPS and Remote Sensing.

Head of the Department