

COURSE OUTCOMES

GEOGRAPHY

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| SEMESTER - I | | |
| PAPER I | GEOMORPHOLOGY | Course Code: UAGEO101 |
| CO1 | Learner will gain the knowledge of physical geography. | |
| CO2 | Learner will have a general understanding about the geomorphological and geotechnical process and formation. | |
| CO3 | Learner will be able to correlate the knowledge of physical geography with the human geography | |
| CO4 | Learner will develop an idea about geomorphology and different types of fundamental concepts. | |
| CO5 | Learner will be able to explain different types of geomorphic processes like weathering and mass wasting and cycle of erosion. | |
| CO6 | Learner will understand the processes of erosion, deposition and resulting landforms due to various agencies like fluvial, glacial, aeolian, coastal and karst landforms. | |
| CO7 | Learner will acquire knowledge about slope forms and processes. | |
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| SEMESTER - II | | |
| PAPER I | HUMAN GEOGRAPHY | Course Code: UAGEO102 |
| CO1 | Learner will be aware of the scope and contents of human geography. | |
| CO2 | Learner will understand the interrelationship between man and environment. | |
| CO3 | Learner will be able to acquire the knowledge of Human Geography and will correlate it with their practical life. | |
| CO4 | Learner will be able to analyze the problems of physical as well as cultural environments of both rural and urban areas. | |
| CO5 | Moreover, Learner will try to find out the possible measures to solve those problems. | |
| CO6 | Learner will gain knowledge about major themes of human geography. | |
| CO7 | Learner will develop an idea about space and society, movement of people due to different cause and their effects. | |
| CO8 | Learner will learn to interpret and analyze the population data using statistical tools and techniques. | |
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| SEMESTER - III | | |
| PAPER II | AN INTRODUCTION TO CLIMATOLOGY | Course Code: UAGEO301 |

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| CO1 | Learner will learn the basics of nature, scope and branches of climatology. Learn the concept and elements of weather and climate. |
| CO2 | Learner will be able to understand the interaction between the atmosphere and the earth's surface, air pressure and atmospheric circulation. |
| CO3 | Learner will understand how the planetary and periodic wind and pressure belt relate to each other. |
| CO4 | Learner can explain the important role of water to create condensation and precipitation |
| CO5 | Learner will understand how atmospheric moisture works. |
| CO6 | Learner will develop an idea about cyclones and anti-cyclones. Also, they understand the tropical cyclones, El Nino and La Nina and Indian monsoons. |
| CO7 | Learner will be able to understand the importance of the ozone layer and bad effects of green- house gasses moreover will be eligible to apply this for the solution of environmental problem. |
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| SEMESTER - III | |
| PAPER III | PHYSICAL GEOGRAPHY OF INDIA Course Code: UAGEO302 |
| CO1 | Learner will know about major physiographic divisions of India and their formation. |
| CO2 | Learner will know about land formation, drainage system, climate and natural vegetation of India. |
| CO3 | Learner will identify classification of soils and forests of India, problems associated with it and their remedies. |
| CO4 | Learner will understand the economic resources such as mineral and power resources of India. |
| CO5 | Learner will understand the regional distribution of resources. |
| CO6 | Learner will learn to prepare maps of India, types and conversion of different types of scales. |
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| SEMESTER - IV | |
| PAPER II | INTRODUCTION TO OCEANOGRAPHY Course Code: UAGEO402 |
| CO1 | Learner will be able understand basic concept of Oceanography, physical, chemical and biological branches of Oceanography. |
| CO2 | Learner will be able to determine the characteristics of ocean floor and water, ocean water movement and their effects. |
| CO3 | Learner will have knowledge of the man-ocean relationships and their recent global problems |
| CO4 | Learner will master the techniques of maps and their interpretation in Oceanography to solve the challenging issues of man-ocean relationships |
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| PAPER III | AGRICULTURE GEOGRAPHY OF INDIA Course code: UAGEO401 |

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| CO1 | Learner will gain knowledge of characteristics of Indian Agriculture and their various problems. |
| CO2 | Learner will understand different types of farming practices and major crops. |
| CO3 | Learner will understand the green revolution and their impacts on Indian economy. |
| CO4 | Learner will have knowledge of new challenging types of agriculture to support sustainable development of agriculture in India. |
| CO5 | Learner will study the new modern technical methods and their applications to solve the agricultural problems. |
| CO6 | Learner will be able to interpret thematic maps related to agriculture and drawing of different statistical diagrams. |
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| SEMESTER - V | |
| PAPER IV | GEOGRAPHY OF SETTLEMENTS |
| | Course code: 97022 |
| CO1 | Learner will be able to build an idea about urban and rural settlements and its relationship theories related to settlement with environment and different geography. |
| CO2 | Learner will know about classification and morphology of settlements. |
| CO3 | Learner will understand the trends and patterns of world urbanization. |
| CO4 | Learner will be aware of different theories of urban growth their problems and concept of smart cities |
| CO5 | Learners will study Ashok Dutt's Models of South Asian cities like port city and bazaar city |
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| PAPER V-B | POPULATION GEOGRAPHY |
| | Course Code: 97055 |
| CO1 | Learner will understand concept, definition, nature, scope. and importance of population studies. |
| CO2 | Learner will learn the recent trends in the growth of population in world as well as India. |
| CO3 | Learner will study different theories of population growth. |
| CO4 | Learner will study migration of population, causes and consequences of the same. |
| CO5 | Learner will have better understanding of the contemporary issues of the population. |
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| PAPER VI TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS-I[PRACTICAL] | |
| | Course Code: UAGEO503 |
| CO1 | Learner will know map basics, area calculations and acquire knowledge different types of map projections. |
| CO2 | Learner can understand about the interpretation of Survey of India Topographical maps. |

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| CO3 | Learner will gain knowledge about topographical maps and apply this knowledge in ground surface |
| CO4 | Learner will be able to draw different thematic maps. |
| CO5 | Learner will study to draw many cartographic diagrams and apply this is in different statistical data. |
| CO6 | Learner will learn the use of computers in geographical data representation. |
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| PAPER VI REGIONAL PLANNING AND DEVELOPMENT Course Code: 97125 | |
| CO1 | Learner will learn concepts, types and need and nature of regional planning in relation with geography |
| CO2 | Learner will be able to plan regions, their need, characteristics, and hierarchy. |
| CO3 | Learner will come to know regional disparities in development with the help of different models. |
| CO4 | Learner will learn the regional planning in India through five-year plans. |
| CO5 | Learner will understand problems of urban areas and planning. |
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| PAPER VIII-C GEOGRAPHY OF DISASTER MITIGATION AND MANAGEMENT Course Code: 97157 | |
| CO1 | Learner will understand concept and meaning of disaster and hazard. They will be able to distinguish between natural and manmade disasters. |
| CO2 | Learner will understand elements of disaster management and role of NGOs and International organizations in mitigation of the same. |
| CO3 | Learner will learn methods and approaches to pre and post disaster management. |
| CO4 | Learner will learn case study of natural disaster and its management in India. |
| CO5 | Learner will learn case study of anthropogenic disaster and its management in India. |
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| PAPER IX GEOSPATIAL TECHNOLOGY Course Code: 97189 | |
| CO1 | Learner will understand basics of Remote sensing, concept, components, and importance of the same. |
| CO2 | Learner will be able to interpret aerial photographs and perform digital image analysis. |
| CO3 | Learner will have better understanding of Global Positioning System (GPS) its concept and applications. |
| CO4 | Learner will learn basics of Geographical Information System (GIS) and its various software. |
| CO5 | Learner will understand spatial database analysis and using map composer for map layout and design. |
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| SEMESTER - VI | | |
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| PAPER IV | ENVIRONMENTAL GEOGRAPHY | Course Code: 86509 |
| CO1 | Learner will gain knowledge about concept, scope of environmental geography and components of environment. | |
| CO2 | Learner will develop an idea about man-environment relationships. | |
| CO3 | Learner will be able to build an idea about ecosystem. | |
| CO4 | Learner will learn about biodiversity and its importance, threats, and conservation of biodiversity. | |
| CO5 | Learner will examine environmental problems in India and its causes and effects. | |
| CO6 | Learner will have better knowledge of environmental movements in India. | |
| CO7 | Learner will learn sustainable Development and Environmental Management by ecofriendly lifestyle and need of environmental education. | |
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| PAPER V-A | GEOGRAPHY OF TOURISM AND RECREATION | Course Code: 86539 |
| CO1 | Learner will understand nature, scope and trends of tourism development in world. | |
| CO2 | On completion of the course, learner will understand about the tourism influencing factors: natural historical, social, cultural and economic. | |
| CO3 | Learner will learn the positive and negative impact of tourism on environment, and economy and on sociocultural factors | |
| CO4 | Learner will understand infrastructure and ancillary services required for tourism. | |
| CO5 | Learner will understand the need, elements, and levels of planning and the role of international organizations and Incredible India campaign. | |
| CO6 | Learner will be aware of potential tourism sectors in Maharashtra and tourism policy of state of Maharashtra. | |
| CO7 | Learner will understand the National Tourism Policy. | |
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| PAPER VI | TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS-II [PRACTICAL] | Course Code: UAGR603 |
| CO1 | Learner will learn the significance of statistics in Geography. | |
| CO2 | Learner will understand the importance of use of data and its type in Geography. | |
| CO3 | Learner will be able to gain knowledge about primary and secondary data collection that helps them to prepare their survey report. | |
| CO4 | Learner will know about different types of sampling. | |
| CO5 | Learner will learn the significance of field work in geographical studies, and collection of physiographic data, socio-economic data, geospatial data. | |

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| CO6 | Learner will understand the meaning of field and identifying the case study and know about different types of field techniques. |
| CO7 | Learner will understand how to prepare a questionnaire based on perception survey on environmental and socio-economic problems. |
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| PAPER VII ECONOMIC GEOGRAPHY Course Code: 86609 | |
| CO1 | Learner will understand nature, scope, and branches as well as approaches of economic geography. |
| CO2 | Learner will understand resources classification and importance. |
| CO3 | Learner will be able to distinguish between types, and characteristics of Economic Activities. |
| CO4 | Learner will examine importance of minerals, classification and industrial development. |
| CO5 | Learner will understand transport, international trade, and international trade organization. |
| CO6 | Learner will study economic development of India and globalization, its impact on economy and special economic zones (SEZ). |
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| PAPER VIII-A BIOGEOGRAPHY Course Code: 86642 | |
| CO1 | Learner will understand concept, definition, nature and scope and approaches of Biogeography. |
| CO2 | Learner will understand ecosystem and its importance and biosphere. |
| CO3 | Learner will be able to understand concept of plant community, its classification, plant formations and biomes in tropical and temperate regions. |
| CO4 | Learner will understand types of Ocean habitats, marine geography, and its types. |
| CO5 | Learner will understand the importance of Biodiversity, threats to biodiversity and conservation of the same. |
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| PAPER IX RESEARCH METHODOLOGY IN GEOGRAPHY Course Code: UAGR606 | |
| CO1 | Learner will understand concept, types, steps and significance of Research Methodology, and research design. |
| CO2 | Learner will be able to do data collection and processing for the research. |
| CO3 | Learner will be able to use MS Excel and SPSS for data analysis using statistical techniques for hypothesis testing. |
| CO4 | Learner will be able to perform Digital Data Analysis using GIS software like QGIS and SAGA. |
| CO5 | Learner will be able to ace in Research report writing and ethics in research. |