COURSE OUTCOME
GEOGRAPHY GENERAL

1ST SEMESTER

GEOGCORO1T- PHYSICAL GEOGRAPHY
CREDIT - 06

COURSE OUTCOME:

1. Understand physical Geography, its definition and scope, components of Earth System, earth's internal structure based on seismic evidence, plate tectonics and its associated features.
2. Describe the influence of lime stone and granitic rocks on topography and elucidate evolution of landforms under fluvial, coastal and Aeolian processes.
3. Explain insolation and heat Balance with special reference to horizontal and vertical distribution of temperature and pressure.
4. Understand planetary wind system and characteristics of Monsoon and Tropical Cyclone.
5. Classify climatic after Köppen.
6. Describe hydrological Cycle, ocean bottom relief features and ocean currents.

2ND SEMESTER

GEOGCORO2T – HUMAN GEOGRAPHY
CREDIT-06

COURSE OUTCOME:

1. Student will able to interpret about the impact of environment on human society.
2. In future student will be able to plan of new urban site based on urban morphology.
3. Student will be able to scientific discussion about the heterogeneity of races, ethnicity etc.

4. Student will able to realize about the evolution of human society therefore be able to show respect every human society.
5. Student will be able to find out the proper location for a new settlement.

3RD SEMESTER

GEOGCORO3T - GENERAL CARTOGRAPHY
CREDIT-04
&
GEOGCORO3P
CREDIT- 02

COURSE OUTCOME:

1. Explain the concept of map scale with reference to their classification, application and graphical construction.
2. Classify map projections distinguish their attributes, properties, application and perform their mathematical calculations and graphical representations.
3. Understand the concept of UTM projection.
4. Understand the reference scheme of old and open series maps of Survey of India topographical maps, construct and interpret relief profiles, relative relief map, slope map (Wentworth), and represent the correlation between physical and cultural features from Survey of India topographical maps using transect chart.
5. Understand the importance of data representation through symbols, dots, choropleth, isopleths, and flow diagrams with emphasis on their calculations, diagrammatic representation and interpretation.

GEOSSEC01M- REMOTE SENSING
CREDIT- 02

COURSE OUTCOME:

1. Understand the basic principles of Remote Sensing, Types of RS satellites and sensors.
2. Elucidate sensor resolutions and their applications with reference to IRS and Land sat missions.

3. Prepare False Color Composites from IRS LISS-3 and Land sat TM and OLI data.
4. Prepare inventories of land use land cover (LULC) features from satellite images**.**
5. Explain concept of GIS and its applicability with emphasis on GIS data structures: types: spatial and non-spatial, raster and vector.

4TH SEMESTER

GEOGCOR04T- ENVIRONMENTAL GEOGRAPHY
CREDIT -06

COURSE OUTCOME:

1. Identify geographers' approach to environmental studies and acquire comprehensive knowledge about the concept of holistic environment and systems approach
2. Understand the concept structure and functions of ecosystem
3. Delineate the space-time hierarchy of Environmental problems at local, regional and global scales
4. Identify different environmental issues with special reference to the causes and consequences of land, water and air pollution and degradation, waste management
5. Elucidate important environmental policies viz. National Environmental Policy (2006), Earth Summits (Stockholm, Rio, Johannesburg) and Global initiatives for environmental management (special reference to Montreal Protocol, Kyoto Protocol, Paris Climate Summit)

GEOSSEC02M – ADVANCED SPATIAL STATISTICAL TECHNIQUES
CREDIT- 06

COURSE OUTCOME:

1. Students will be able to know about the sources of geographical data for statistical analysis.
2. Understand probability theory, probability density functions with respect to Normal, Binomial and poison distributions and their geographical applications.
3. Understand sampling, sampling plans for spatial and non-spatial data, sampling distributions, sampling estimates for large and small samples tests involving

means and proportions

4. Perform correlation and regression analysis with special reference to rank order correlation and product moment correlation, linear regression, residuals from regression, simple curvilinear regression and multi-variate
5. Perform time series analysis with emphasis on time Series processes, smoothing time series, and time series components.

5TH SEMESTER

GEOGDSEO1T –SOIL AND BIO GEOGRAPHY
CREDIT- 06

COURSE OUTCOME:

1. Identify the factors of soil formation and nature of soil profile, with special reference to lateritic, podzol and chernozem soils.
2. Understand the definition and significance of soil properties (Texture, structure and moisture, pH, organic matter and NPK).
3. Identify the factors, processes and mitigation measures soil erosion and degradation.
4. Describe the Genetic and USD a principles of soil classification and concept of land capability and its classification.
5. Understand the concept of biosphere, ecosystem, biome, eco-tone, community, niche, succession and ecology, tropic structure, food chain and food web, energy flow in ecosystems, bio-geochemical cycles.

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6TH SEMESTER

PROJECT REPORT BASED ON FIELD WORK
CREDIT -06

COURSE OUTCOME:

1. Student will be able to select the study area based on the socio-economic characteristics.
2. Students will be able to learn about the techniques of primary data collection.

3. Students will be able to learn about the techniques of preparation of field report.
4. Students will be able to learn to work in a group.
5. Understand about the methodology of report writing.