DEPARTMENT OF GEOGRAPHY
ST JOSEPH'S COLLEGE
FIRST SEMESTER
GEOGRAPHY
HONOURS COURSE

COURSE CODE: GEO-H-DSC-1-01-TH (Geotectonic)

Objectives

The objectives of the course are to enable the students:

- To understand the Earth's tectonic and structural evolution with reference to Geological time scale.

- To learn about the Earth's Interior structure and theories of Isostasy.
- To understand the Earth's movement in the context of plate tectonic and sea floor spreading.
- To learn about the different types of folds, faults, earthquakes, volcanoes and its associated landforms.

Outcomes

After the completion the course the students will

- Acquire knowledge about the Earth's structural evolution with the help of different Geological time scale.
- Describes the theories of Isostasy and its significant role for understanding interior of Earth.
- Analyze and sketch the profile of different plate boundaries, its movement, concept of sea floor spreading and resultant landforms.
- Identify the processes of fold, faults, earthquakes, volcanoes and its associated landforms.

COURSE CODE: GEO-H-DSC-1-01-PR (Practical)

Objectives

The objectives of the course are to enable the students:

- To learn the scales, its types and its application and graphical construction.
- To understand the concept of map projection, its mathematical construction, classification, properties and uses.

Outcomes

After the completion the course the students will

- Acquire the knowledge about the scales, its different types and its application with the help of graphical construction.
- Acquire the skill of mathematical construction of different map projection and its uses with properties.

COURSE CODE: GEO-H-DSC-1-02 TH (Geomorphology)

Objectives

The objectives of the course are to enable the students:

- To understand the nature, scope and fundamental concepts of Geomorphology.
- To learn about the weathering, mass wasting and cycle of erosion by Davis and Penck.
- To know the evolution of erosion and depositional landforms by fluvial, karst, Aeolian, glacial and coastal.
- To learn the process and formation of slopes.

Outcomes

After the completion the course the students will

- Acquire knowledge about the nature, scope and the fundamental concepts of Geomorphology.
- Describe the process of weathering, mass wasting, cycle of erosion by Davis and Penck.
- Analyse and sketch the profile of erosional and depositional landforms by Fluvial, Karst, Aeolian, Glacial and Coastal.
- Identifies the forms and process of slopes.

COURSE CODE: GEO-H-DSC-1-02-PR (Practicals)

Objectives

The objectives of the course are to enable the students:

- To sketch and interpret topographical map of mountain area with the help of cross and longitudinal profile
- To interpret topographical map of mountain area for constructing relief profile and slope map with the help of Wentworth's and Smith method.
- To identify the different types of rocks and minerals.

Outcomes

After the completion the course the students will

- Acquires the knowledge of constructing cross and longitudinal profile of river of mountain topography
- Acquires the knowledge of constructing relief profile and slope map with the help of Wentworth and Smith method from the mountain topographical map.

SECOND SEMESTER
GEOGRAPHY
HONOURS COURSE

COURSE CODE: GEO-H-DSC-2-03-TH (Human Geography)

Objectives

The objectives of the course are to enable the students:

- To understand the concept of Human Geography, major themes and its contemporary relevance.
- To know about the concept of space and society.
- To learn about the influence of race, religion and language upon the cultural region.
- To learn about the population growth and its distribution pattern with special reference to India.
- To understand the population composition and the demographic transition model of India.
- To explore the population resource relationship concept.

Outcomes

After the completion the course the students will

- Acquire the knowledge about the concept of Human Geography, the major themes it holds and its contemporary relevance.
- Describe the differences and interrelation between the space and society.
- Acquire the knowledge regarding the cultural region and how race, religion and language influence and impact its evolution.
- Acquires the understanding of India's population growth and its distribution patterns.
- Analyse the population composition structure and the demographic transitional model of India.
- Identifies the significance of population-resource relationship.

COURSE CODE: GEO-H-DSC-2-03-PR (Practical)

Objectives

The objectives of the course are to enable the students:

- To understand the importance of diagrammatic representation of data i.e. line, bar and circle.
- To draw thematic maps such as Choropleth, Chorochromatic, Dot, Propotional circle and Isopleth.

Outcomes

After the completion the course the students will

- They will know the significance of visual representation of data and hence will learn to interpret it.
- They will learn to draw and interpret thematic maps such as Choropleth, Chorochromatic, Dot, Propotional circle and Isopleth.

COURSE CODE: GEO-H-DSC-2-04-TH (Settlement Geography)

Objectives

The objectives of the course are to enable the students:

- To understand the origin and growth of rural and urban settlement.
- To know the classification of settlement pattern with its morphological structure.
- To learn about the trends and patterns of world urbanization with special reference to India.
- To understand the different urban growth theories i.e. Concentric Zone Theory, Sector Theory and Multiple Nuclei Theory.

Outcomes

After the completion the course the students will

- Acquires the knowledge of origin and growth of rural and urban settlement.
- Describes the different settlement patterns with its morphological structure.
- Acquires the understanding of trends and patterns of world urbanization with special reference to India.
- Helps to comprehend the different urban growth theories and analyze it with the recent pattern of growing cities.

COURSE CODE: GEO-H-DSC-2-04-PR (Practicals)

Objectives

The objectives of the course are to enable the students:

- To understand the significance of levelling and surveying with the help of Dumpy level and Theodolite instrument.
- To know the preparation and interpretation of thematic map by conventional method.

Outcomes

After the completion the course the students will

- Acquires the knowledge of constructing slope and height of an object with the help of Dumpy level and Theodolite instrument.
- Describes the basic understanding of preparing and interpreting thematic map by conventional method.

THIRD SEMESTER
GEOGRAPHY
HONOURS COURSE

COURSE CODE: GEO-H-DSC-3-05-TH (Climatology)

Objectives

The objectives of the course are to enable the students:

- To understand the features of atmospheric composition and structure, insolation and temperature, factors and distribution of heat budget and inversion of temperature.
- To learn about atmospheric circulation like types of winds, forces affecting its circulation, jet streams and the origin and mechanism of monsoon.
- To provide knowledge regarding atmospheric moisture example evaporation, humidity, condensation, fog, clouds and precipitation.
- To understand the phenomenon of cyclone like tropical cyclone and extra tropical cyclone.

Outcomes

After the completion the course the students will

- Acquires the knowledge about the atmospheric composition and structure, insolation and temperature, factors and distribution of heat budget and inversion of temperature.
- Comprehend the knowledge about the atmospheric pressure and circulation like different types of winds, jet streams and origin and mechanism of monsoon.
- Describe the different atmospheric moisture like evaporation, humidity, condensation, clouds and precipitation.
- Identify the types and features of different cyclones.

COURSE CODE: GEO-H-DSC-3-05- PR (Practicals)

Objectives

The objectives of the course are to enable the students:

- To provide knowledge regarding meteorological instrument such as recording of Maximum and Minimum Thermometer, Hygrometer and Fortin's Barometer.
- To represent the information about the interpretation of Indian daily weather report (summer and winter) and also to construct the Climograph and Hythergraph with the help of climatic data.

Outcomes

After the completion the course the students will

- Obtain the understanding of different meteorological instruments.
- Acquire knowledge about the weather map and climatic data by constructing Climograph and Hythergraph.

COURSE CODE: GEO-H-DSC-3-06-TH (Statistical Methods in Geography)

Objectives

The objectives of the course are to enable the students:

- To understand the significance of statistics in Geography.
- To learn about the significance of Geographical matrix and the various source of data.
- To understand different sampling methods i.e. purposive, random, systematic and stratified.
- To learn about the concept of probability and normal distribution.

Outcomes

After the completion the course the students will

- Acquires the knowledge of statistics in Geography.
- Acquires the significance of geographical data matrix and the source of various data.
- Obtains the basic understanding of different sampling methods for field study.
- Describe the concept of probability and normal distribution.

COURSE CODE: GEO-H-DSC-3-06-PR (Practical)
Objectives
The objectives of the course are to enable the students:

- To enable them to do calculation by using proper statistical techniques such as measures of central tendency and cartographic techniques.
- To make them comprehend the co relation between the variables by using methods like Rank Correlation, Product Moment Correlation.
- To help them know how to predict data using Regression Analysis.

Outcomes
After the completion the course the students will

- Use statistical techniques such as measures of central tendency and cartographic techniques.
- Compute co-relation between the variables using Rank Correlation, Product Moment correlation.
- Acquire the knowledge to predict trend using Regression Analysis.

COURSE CODE: GEO-H-DSC-3-07-TH (Geography of India)
Objectives
The objectives of the course are to enable the students:

- To learn about the physiographic division, soil characteristics, vegetation and climate of India
- To learn about mineral resources, power resources, agricultural production and industrial development of India
- To understand the social make up of India with reference to race, caste, religion, language and tribes.
- To learn about the regionalization of India in terms of physiography, Socio-cultural aspects and Economic criteria.

Outcomes
After the completion the course the students will

- Acquire knowledge about the various physiographic features, soil characteristics, vegetation and climatic condition of India
- Classify different mineral resources, power resources, agricultural production and industrial development of India
- Gain knowledge of social make up of India with reference to race, caste, religion, language and tribes
- Describe the regionalization of India in terms of its physiography, socio-cultural aspects and economic criteria.

COURSE CODE: GEO-H-DSC-3-07-PR (Practicals)
Objectives

The objectives of the course are to enable the students:

- To collect and analyze the monthly temperature and rainfall data of five selected stations from different physiographic regions of India
- To measure the arithmetic growth rate of population and to construct the Lorenz Curve and Gini's Coefficient by comparing two decadal datasets of India.

Outcomes

After the completion the course the students will

- Acquires the skill of interpreting monthly variation of temperature and rainfall of five stations in India.
- Acquires the knowledge of growth rate of population with the help of Lorenz Curve and Gini's Coefficient.

SKILL ENHANCEMENT COURSE- SEC

COURSE CODE: GEO-SEC-A-3-01-TH (Rural Development)

Objectives

The objectives of the course are to enable the students:

- To understand the concept of Rural development with its basic elements and measurement.
- To learn about the different paradigms of Rural Development with reference to Gandhian approach and Lewis Model of Economic Development.
- To understand the area based approach of rural development with special reference to Drought Prone Area Programmes and PMGSY.
- To understand Target Group Approach to Rural Development with special reference to SJSY, MNREGA and Jan Dhan Yojana.
- To understand the basic concept of Rural Governance with special reference to Panchayati Raj System.

Outcomes

After the completion the course the students will

- Acquires the understanding of Rural Development with its basic elements and measurement.
- Understand the evolution of different paradigms of rural development with reference to Gandhian approach and Lewis Model of Economic Development.
- Describe the concept of Area based approach of rural development with special reference to Drought Prone Area Programmes and PMGSY.
- Describe and sketch the concept and significance of Target group approach in India with special reference to SJSY, MNREGA and Jan Dhan Yojana.
- Acquires the understanding of Rural Goverance in India with reference to Panchayati Raj System.

FOURTH SEMESTER
GEOGRAPHY
HONOURS COURSE

COURSE CODE: GEO-H-DSC-4-08-TH (Economic Geography)

Objectives

The objectives of the course are to enable the students:

- To develop concepts related to Economic Activities: Primary activities, Secondary activities and Tertiary activities.
- To understand the factors that affects the location of economic activity with special reference to Agriculture (Von Thunen Theory), Industry (Weber's theory).

Outcomes

After the completion the course the students will

- Learn some important concepts related to Primary, Secondary and Tertiary economic activities.
- Describe the factors that affects the location of economic activity with reference to agriculture (Von Thunen Theory) and industry (Weber's theory).

COURSE CODE: GEO-H-DSC4-08-PR (Practicals)
Objectives

The objectives of the course are to enable the students:

- To analyze transport network analysis: connectivity and accessibility.
- To represent the state wise variation in occupational structure and work participation using proportional divided circles.

Outcomes

After the completion the course the students will

- Acquire knowledge about transport network analysis.
- Learn graphical presentation of the state wise variation in occupational structure and work participation using proportional divided circles.

COURSE CODE: GEO-H-DSC4-09-TH (Regional Planning and Development)
Objectives

The objectives of the course are to enable the students:

- To learn about the concept of region, its evolution and types i.e. formal, functional and planning region.
- To understand the different characteristics of ideal planning region, its delineation and regionalisation in the context of Indian Agro Ecological Zones.
- To learn about the different theories and models of regional planning example Growth Pole Model of Perroux and Centre Model of Myrdal and Rostow in the context of India.
- To learn about the measurement of Development, economically, socially and environmentally.

Outcomes

After the completion the course the students will

- Describe the concept of region and sketch the understanding of its evolution and types
- Acquire the knowledge of identifying various ideal planning region and the regionalisation in the context of Indian Agro Ecological Zone.
- Comprehends the concept of different regional planning theories and models.
- Indicators of measuring development with reference to economic, social and environmental.

COURSE CODE: GEO-H-DSC4-09-PR (Practical)
Objectives

The objectives of the course are to enable the students:

- To construct the delineation of formal region with the help of weighted index method and the delineation of functional region with the help of breaking point analysis.
- To measure the inequality by Location Quotient and regional disparity by Sopher Index.

Outcomes

After the completion the course the students will

- Acquires the skills of delineating formal region by weighted index method and functional region with breaking point analysis.
- Comprehends the knowledge of measuring inequality by Location Quotient and regional disparity by Sopher Index.

COURSE CODE: GEO-H-DSC-4-10-TH (Field Work and Research Methodology)

Objectives

The objectives of the course are to enable the students:

- To understand the role, value, data and ethical value of field work.
- To define the field and identify the case study in terms of rural or urbal area, physical or human or environmental.
- To learn about various field techniques for the collection of data.
- To understand the significance of research problems, objectives and hypothesis

Outcomes

After the completion the course the students will

- Comprehends the value, role, data and ethics of field work.
- Acquires the art of defining and identifying the field study.
- Learn the various techniques of data collection for the field study.
- Acquires the knowledge of understanding the significance of research problems, objectives and hypothesis.

COURSE CODE: GEO-H-DSC-4-10-PR (Practicals Field Survey)

Objectives

The objectives of the course are to enable the students:

- To use the various research field tools for collection of primary and secondary data.
- To design field report for writing the research report

Outcomes

After the completion the course the students will

- Gains the concept of using various research tools for collecting the field data
- Acquires the understanding of designing field report for writing the research report.

SKILL ENHANCEMENT COURSE-SEC

COURSE CODE: GEO-SEC-A-4-02-TH (Tourism Management)

Objectives

The objectives of the course are to enable the students:

- To understand the concept, nature, scope and inter relationship of tourism with recreation and leisure and to understand its geographical parameters according toRobinson.
- To understand the types and nature of tourism.
- To gain the knowledge of recent trends of tourism with reference to international,regional and domestic
- To learn about the tourism in India with a case study of Himalayan, desert or coastalareas.
- To learn about the National Tourism Policy

Outcome

After the completion the course the students will

- Acquire the concept, nature, scope and inter relationship of tourism with recreation,leisure and its basic concept of geographical parameters according to Robinson.
- Gains the knowledge regarding types of tourism.
- Describe the recent trends in tourism with reference to international, regional anddomestic.
- Acquires the knowledge of tourism in India with reference to Himalayan, desert andcoastal region.
- Learn about the National Tourism Policy of India.