

Course Outcome and Programme Outcome

SAGARMAHAVIDYALAYA

SEMESTER – I - HONOURS

COURSE OBJECTIVES:

GEOTECTONICS & GEOMORPHOLOGY

Is about all endogenetic forces, tectonic activities, Earth's physical evolution and evolution of landforms (coastal, glacial, aeolian). This section also comprises theories on landscape evolution. The practical course encompasses Megascopic identification of rocks and minerals and removal and interpretation of geomorphic data from topographical sheets.

CARTOGRAPHIC TECHNIQUES

Components and classification of maps, concept and application of scales, Representation of data: primary, secondary. The practical course includes construction of scales and map projections, preparation of thematic maps.

OUTCOMES: This unit will enlighten the students with global tectonic mechanism, earth surface features, geology, concept and measuring of distance.

SEMESTER – II - HONOURS

COURSE OBJECTIVES:



HUMAN GEOGRAPHY

Elements of human geography, concept of race and ethnicity, evolution of human society, population, demographic transition and rural – urban settlements. The practical course includes performance of spatial and temporal variation of population data.



CARTOGRAMS, THEMATIC MAPPING & SURVEYING

Preparation and interpretation of geological and weather maps, land use-land cover maps and basic concepts of surveying and surveying apparatus's. Practical course includes surveying using instruments and preparation of geological maps.

OUTCOMES: This section will provide an idea about the evolution of human society and culture, settlements, spatial & temporal distribution of population. How to prepare & interpret the geological & weather map & will also help to learn the use of surveying instruments.

SEMESTER – III – HONOUR

COURSE OBJECTIVES:

CLIMATOLOGY

This section describes the interrelationship between different elements of weather, overview of climate change. Also includes the atmospheric disturbances and climatic classification.

Practical course is about the measurement of weather elements using analogue instruments and interpretation of weather map (pre-monsoon, monsoon and post-monsoon).

HYDROLOGY & OCEANOGRAPHY

This section is about surface and groundwater hydrology. The oceanography part describes physical and chemical properties of ocean water, reefs, marine resources and sea-level change. Practical course analyze the hydrographs and climatic water budget.

STATISTICAL METHODS IN GEOGRAPHY

This portion of the course state the significance of statistics in geography. Data collection, sampling and numerical data analysis. Practical course is about data analysis and interpretation of the findings.

SEC

Coastal Management / Tourism Management

Coastal management is about the coastal morpho dynamics, environmental impacts of mining in coastal areas, management strategies to combat the coastal hazards and principals of coastal management. Tourism management discusses about scope issues regarding tourism, information's to plan destination marketing.

SEMESTER III- HONOURS

OUTCOMES:

This section will enlighten the students with the interrelationship between different elements of weather, atmospheric disturbances, climate change phenomenon. It will also help to know about surface & groundwater hydrology, oceanic features, coastal morphodynamics, coastal hazards & management and also the use of statistical techniques to measure different parameters.

SEMESTER – IV - HONOURS

COURSE OBJECTIVES:



ECONOMIC GEOGRAPHY

This section discusses about the sectors of economy, locational theories, international trade and WTO. Practical course describes GDP, temporal analysis of production and transport network analysis.



REGIONAL PLANNING & DEVELOPMENT

It gives the glimpse of principles and objectives of regional planning, multilevel planning, concept of growth and development, models on regional development and underdevelopment. Practical course includes measuring inequality, delineation of formal and functional regions.



SOIL & BIOGEOGRAPHY

This portion discusses about physical and chemical properties of soil, problems of soil erosion. Biogeography discusses about biosphere, ecosystem, biomes, deforestation and biodiversity. Practical course is about determination of soil pH and salinity, textural plotting and determination of plant species diversity.



SEC

Rural Development / Sustainable Development

Rural development describes about concept and basic elements and measures of level of rural development, areal approach and rural governance. Sustainable development describes about concept, background, components and limitations of such development.

SEMESTER IV- HONOURS

OUTCOMES:

This section will offer the idea about sectors of economy, Regional planning and Development, about soil and biogeography and rural development.

SEMESTER – V- HONOURS

COURSE OBJECTIVES:

RESEARCH METHODOLOGY & FIELDWORK

This portion is about significance of study, formulation of research design, defining the problem, objectives and hypothesis, help to learn the techniques of writing the report and plagiarism. Field work is a hands-on course which incorporates the analysis of data obtained from both primary and secondary survey and the interpretation of the research findings and recommendations.



REMOTE SENSING, GIS and GNSS

The course is about image enhancement, classification of supervised data, data attachment and preparation of annotated thematic maps. The Practical course helps to application of IRS-LANDSAT data.

Preparation of FCC images, GIS data analysis and GNSS positioning and waypoint collection.

SEMESTER – V- HONOURS

COURSE OBJECTIVES :



DSE-A-5

CLIMATE CHANGE: VULNERABILITY & ADAPTATIONS

This portion provides a detailed study on climate change with time scale causes and problems of climate change or climate change vulnerabilities & global and local level to climate change mitigation.



DSE-B-5

SETTLEMENT & CULTURAL GEOGRAPHY

It is about the cultural elements (cultural diffusion, diversity, realm, religion, language) & settlement (types and distribution). It also enlightens about world racial groups & cultural regions of India.

SEMESTER – V-HONOURS

OUTCOMES:

The course helps to build the conceptual framework about the research design, significance of study and analytical ability for a student. Remote sensing, GIS &GNSS helps to enhance the skill to process & analyses data obtained through satellites.

SEMESTER - VI - HONOURS

COURSE OBJECTIVES:

EVOLUTION OF GEOGRAPHICAL THOUGHT

The philosophy of geography is about the 'PreModern Geography' and the foundations of modern Geography and recent trends (structural, behavioural, humanistic, radical approach). Practical course involves changing perception of maps and mapping voyages.

HAZARD MANAGEMENT

This portion comprises the concept of hazard and disaster. Hazard mapping and hazard specific study on West Bengal and India. Factors, vulnerability, consequences and management. Practical course involves preparation of a group project on a specific hazard.

DSE

Environmental issues in geography - Geography of India

This part discusses about the environmental issues, causes, consequences and the management strategies. Preparation of check list and implementation of that. Environmental impact assessment and analysis of pollution data. Geography of India is about the physical as well as cultural features of India, development and distribution.

SEMESTER - VI - HONOURS

OUTCOMES:

This course gives an overview on evolution of geographical thought. Geographical approaches during Pre-modern, Modern & Post-modern phase. Hazard management provides the causes, significances and management strategies of different hazards. The environmental issues helps to learn how to prepare the check list for EIA and implementation of that and enhance the skill to analyze the pollution data. Geography of India provides the overview about the physical as well as cultural features of India.

COURSE OBJECTIVES - GENERAL

SEMESTER-I

Is about the physical features of earth's surface. The degradation processes and resultant landforms.

SEMESTER-II

Describes about environmental issues. Problems and management strategies.

SEMESTER-III

Is about human geography. Human society, social organizations, social issues and cultural aspects.

SEMESTER-IV

Is about cartographic techniques and SEC Rural development / Sustainable development. Cartographic techniques involve representation of data. Sustainable development describes the management strategies involved the preservation of properties.

COURSEOBJECTIVES-GENERAL

SEMESTER-V

DSE Regional development involves regional planning, growth centre model (Indian context), regionalization, concept of development and under development.

SEC coastal management describes the problems of coastal erosion, causes, consequences and the recommendations.

SEMESTER-VI

DSE population geography. This helping involves the concept and approaches to population geography. Determinants, development, pattern and problems. Also discusses about the contemporary issues of population component.

SEC Rural development / Sustainable development.

It is about the problem of depletion of resources and the sustainable management strategies.

COURSE OUTCOMES -GENERAL

The course imparts the information about earth surface features (mechanism of development and evolution), human society & culture, regionalization, significance of regional planning, environmental issues, concept of sustainability and improve the skill to analyses and represent data using cartographic methods.