DEPARTMENT OF GEOGRAPHY

COURSE OUTCOME:

I.GEOTECTONICS AND GEOMORPHOLOGY

CO1:Explaining the origin of earth, geographical time scale and internal structure of the earth.

CO2:Understanding the continental drift and plate tectonics theory.

CO3:Assessing the relationship between landforms, processand factors operating affects the development of landforms.

II.CARTOGRAPHIC TECHNIQUES

CO1:Understanding and constructions of the different types ofscales .

CO2:Explaining projection and its application to prepare map from the globe.

CO3:Understanding the different types of surveying and plotting their procedures.

III.HUMAN GEOGRAPHY:

CO1:Explaining the nature and scope of human geography and different approaches to study the human geography.

CO2:Understanding the habitation of the human beings like eskimo and santal population.

CO3: Recognise the difference between compact ,disperse and linear settlement.

IV.CARTOGRAPHY AND THEMATIC MAPPING

CO1:Understanding the procedure and constructions of the line graph,bargraph and pia diagram .

CO2: Construction of choropleth map, Dot map ,and age sex pyramid through cartograms.

CO3: Understanding the principles of topographical map analysis the relative relief,average slope zone and drainage density.

Climatology:

A. Unit-1: Understanding global atmospheric and climatic activities mechanism.

B. Unit-2: Broadly understanding various elements and Phenomena of Global climate.

C. Unit-3: Good understanding of Formation of different cyclone and Climate change and its impact.

1. **Geography of India :**

A.Unit-1: broadly understanding physiographic concept of India and different minerals.

b. Unit-2: Understanding Socio-cultural and industrial concept of India.

c: Unit-3: Understanding Physiographic, Socio-cultural concept and regional problem of West Bengal.

2. **Statistical Methods in Geography** ;

A. Unit- 1: Understanding Data collection and its process for meaningful outcome uses.

B. Unit-2: Data Analysis and its implication in day –To – day life.

C. Unit-3: computer application and easy to use data analysis.

4. **Computer Basics and Computer Applications**

A.Unit-1: Basic knowledge for computer use.

B. Unit-2: Computer Use and implication in geography.

C. Unit-3: Statistical analysis by the computer different diagrams.

5. Regional Planning and Development

A.Unit-1: Identification, Types of regions and Needs it's planning.

B. Unit-2: Identification and Implication of different model of regional development planning.
C. Unit-3: Need for Indian regional planning, Different implication processes.

6. Geography of Economic Activities

A.Unit-1: Fundamental concept of economic Activities and primary economic concept and application.
B. Unit-2: Secondary economic activities its application area use different theories.
C. Unit-3: International trading and role of WTO and transport system And Sunrise industry of Tourism concept.

7. Environmental Geography

A.Unit-1: Approach towards environmental and Holistic modern environmental concepts.
B. Unit-2: Good understanding of ecology, ecosystem and different pollution and problems.
C. Unit-3: Man –environmental conflict, problems and global environmental policies.

8. GIS and GPS

A.Unit-1: Understanding of GIS, Its component and data structure.
B. Unit-2: Understanding GPS and its working process, segment and application.
C. Unit-3: Using open source software application of geo-referencing GIS Mapping, attribute creation And Layout.

5th semester (Honours)

1. **Evolution of Geographical Thought**

CO1 – Appreciation of evolution of geographical thought through time.

CO2 – Understanding the paradigm shift in geographical thinking in different regions of the world.

CO3 – Assessing the past and future trends of development of different ideologies.

2. **Remote Sensing**

CO1 – Enhancement of skill to use digital satellite data using software.

CO2 – Preparation of maps using satellite data.

CO3 – Interpretation of maps and compare with ground realities.

3. **Hydrology and Oceanography**

CO1 – Understanding the basic concepts of hydrology. Evaluate the variations of global hydrological cycle. Assessment of significance of ground water quality and its circulation.

CO2 – Identifying the seafloor features and properties of seawater.

CO3 – Assessment of ocean resources and impact of sea level change.

4. **Cultural and Settlement Geography**

CO1 – Understanding the fundamental concepts of cultural geography. Assessing the characteristics of global cultural phenomena.

CO2 – Assessing the spatio-temporal variations in distribution of rural settlement.

CO3 – Understanding the different theories influencing urban morphology.

5. **Urban Geography**

CO1 – Assessing the past and future trends of urbanization. Understanding the fundamentals and patterns of urbanization.

CO2 – Learning functional classification of cities and various theories of urban growth and urban hierarchies.

CO3 – Understanding the contemporary issues and problems of Delhi, Mumbai, Kolkata and Chennai.

6th semester (Honours)

1. **Disaster Management**

CO1 - Understanding the fundamental concepts of hazard, disaster and extreme events.

CO2 – Assessing the processes, impact and management of natural and man-made hazards.

CO3 – Risk management of some vulnerable areas of India and hazard mapping.

2. **Research Methodology and Field Work**

CO1 – Assessing the types and approaches to research in Geography. Understanding different tools and techniques in geographical research.

CO2 – Conduct proper field work for the collection of primary data to bring out grass root realities. Preparation of field report based on field data.

3. Soil and Biogeography

CO1 – Evaluating soil as a basic resource and also its distribution, problems and management.

CO2 – Identifying the basic concepts of biosphere. Understanding the dynamics of energy flow in ecosystem. Assessment of different aspects of various biomes.

CO3 – Understanding human behaviour and its impact on soil and biosphere.

4. Population Geography

CO1 – Establishing population studies as a distinct field of human geography.

CO2 – Understanding the key concepts and components of population along with its drivers.

CO3 – Examine population dynamics and characteristics with contemporary issues.

5. Geography of Health and Wellbeing

CO1 – Understanding the fundamental concepts of health and factors influencing it.

CO2 – Establishing linkages between the health, environment, exposure and risk.

CO3 – Assessing climate change and its relationship with health and disease pattern.

Geography Programme:

1st sm

1. Physical Basic Of the earth:
   Unit 1:- Understanding the earth Formation, geological History, internal structure, isostatic adjustment.
   Unit 2:- Brief concept of continental drifting, plate movement, Sea-floor movement.
   Unit3:- Geomorphic Processes of folded, faulted, uniclinal structure, land form evolution of different theories and hill slope.
   2nd Sm
2. Human Geography:
   Unit 1:- Understanding the element, approach, race ethnicity of human.
   Unit 2:- Briefly explain of Society, Demography ancient to modern.
   3rd Sm
3. Maps & Diagrams:
   Unit 1:- Concept of different scale and different Diagrams.
   Unit 2:- Concept of projection and Different draw technique.
   Unit 3:- Brief concept of Surveying prismatic, Dumpy
   Unit 4:- General concept of field work and socio-economic data servey.
4. Computer Basic :
   Unit 1:- Understanding of computer Basic of application, web searching and power point presentation.
   4th Sm
5. Economic Geography :
   Unit 1:- General concept of Agriculture and Agriculture pattern.
   Unit 2:- Understanding Secondary economic activities industrial location theory and trading of international and economic Block.
6. Computer Application:
   Unit 1:- Geographical Application of computer and data handling and makes diagrams.
   5th Sm
7. Hydrology And Oceanography :
   Unit 1:- Understanding Global Hydrology cycle, Run-off and Ground water table.

Unit 2:- Understanding Sea floor, coral reef, marine resource.

8. Urban Geography :

   Unit 1:- Understanding Urbanization Ancient to modern, And different Theories.
   Unit 2:- Understanding growth, pattern of city region, different theories and urbanization of India.

9. Remote Sensing :

   Unit 1:-Basic concept of remote sensing and FCC of satellite image.

6th Sm

10. Soil And Bio-Geography :

    Unit 1:- Brief concept of Soil formation, Structure, texture, Ph and erosion.
    Unit 2:- Brief concept of ecosystem, ecotone and different Biomes.

11. Population Geography:

    Unit 1:- Understanding Population, Demography, growth distribution in India.
    Unit 2:- Understanding population policies, Migration, and other elements.

12. Geographic Information System :

    Unit 1:- Understanding of GIS Data, map, Digitization and map layout.