

CC-III Human Geography

1. Explain the nature and scope of Human Geography.
2. Discuss the factors responsible for the uneven distribution of world population.
3. What are the determinants of population growth? Discuss.
4. What do you mean by race? Classify races and bring out their characteristics.
5. Give an account of the distribution of major religions of the world.
6. Discuss how activities of human beings are regulated by geographical surroundings.
7. Explain the problems associated with the uneven distribution of population in the world.
8. Give an account of the major cultural realms of the world.
9. Discuss about the functional classification of towns.
10. Explain the Demographic Transition Theory.

CC-IV Climatology

1. What is the difference between weather and climate? Discuss the factors determining the climate of a place.
2. What is insolation? Discuss the factors controlling insolation.
3. Discuss the general distribution of atmospheric pressure over the globe and show its effects on the wind system.
4. Discuss the types of precipitation. Explain their origin and characteristics.
5. Differentiate between the planetary and periodic winds. Discuss about the planetary wind system.
6. Discuss the mechanism of monsoon.
7. What do you mean by local wind? Discuss the effects of local winds in controlling weather.
8. Critically discuss the Koppen's scheme of classification of world climate.

CC-V Oceanography

1. Discuss the relief features of the Atlantic Ocean.
2. Give an account of the distribution and determinants of the salinity of ocean.
3. Discuss the classification and distribution of ocean deposits.
4. Define Ocean Currents. Discuss the factors associated with the origin of ocean currents.
5. Give an account of the ocean currents of the Atlantic Ocean.
6. Discuss the Glacial control theory of Louis Agassiz.
7. What do you mean by tides? Explain the origin of tides.
8. Discuss the distribution and determinants of the temperature of ocean water.
9. Give an account of the bottom relief features of the oceans.
10. Discuss the subsidence theory of Darwin and Dana regarding the origin of coral reefs.

CC-VI Statistical Methods in Geography

1. What do you mean by spatial data?
Discuss the use of data in Geography.
2. Define data. Discuss the types and sources of data.
3. Give an account of the scales of measurement of data.
4. Explain the Geographical Data Matrix.
5. Define Sampling. Discuss the types of Sampling.
6. Differentiate between spatial and attribute data. Discuss the types and sources of data.
7. Discuss the measures of central tendency explaining the advantages and disadvantages of all the measures.

CC-IX Economic Geography

Make a critical assessment of Weber's industrial location theory.

Discuss in detail about the Special Economic Zones and its significance.

Explain the nature and scope of Economic Geography.

Make a critical assessment of Von Thunen's agricultural location theory.

Mention Whittlesey's classification of agricultural regions of the world. Discuss the salient features of intensive subsistence farming.

Explain the concept of economic activity. Classify economic activities into different sectors and describe them.

Define the term 'agriculture'. Discuss the factors determining the location of agriculture.

Give an account of the factors that affect the location of industries with suitable examples.

Discuss the location and development of Iron and Steel industry in Europe.

CC-X Environmental Geography

Discuss the meaning, concept and scope of Environmental Geography.

Discuss the types and characteristics of environment.

Discuss the Global environmental contrast with examples.

Explain the concept of tolerance. Discuss temperature as a factor of environmental control.

What do you mean by Ecosystem. Discuss the concept, structure and functions of the ecosystem.

Explain energy flow in Ecosystem.

What do you mean by Bio-geo-chemical cycle?
Discuss the Carbon cycle.

What do you mean by Biome? Discuss the major biomes of the world and their characteristics.

Give an account of the nature and characteristics of water pollution.

Discuss the causes and consequences of environmental degradation.

Discuss the role of UNEP in environmental management.

What do you mean by Sustainable development?
Discuss the concept and strategies of sustainable development.

CC-XI Regional Planning and Development

1. Explain the principles and characteristics of metropolitan planning.
2. Explain the causes of regional imbalances in India.
3. Discuss the concept and content of regional planning.
4. Discuss the principles and techniques of regional planning.
5. Discuss the Growth Pole Theory. Explain how this theory is applicable in Indian context.
6. What do you understand by backward areas? What are the steps taken by the government for the development of backward areas?
7. Discuss the policies and programmes for Regional Development planning in India.
8. What do you mean by region? Discuss the concept, ~~and~~ types of region.
9. Discuss the approaches and methods of delineation of planning regions in India.
10. Define Human Development Index. Discuss the concept and application of Human Development Index in planning and development.

CC-XII Remote sensing and GIS

Define Remote Sensing. Discuss the components of Remote Sensing.

What do you mean by sensor? Discuss the types of sensors.

Discuss the advantages and disadvantages of Remote Sensing.

What do you mean by Aerial photography? Discuss the geometry of Aerial photography.

Discuss the visual interpretation keys of satellite images.

Define GIS. Discuss the components of GIS.

Differentiate between Raster and Vector data models. Explain the special functions of GIS and its uses.

What do you mean by GPS? Discuss the elements, functions and uses of GPS.

Discuss the application of RS & GIS in land use and land cover mapping.

CC-XIV Disaster Management

What do you know by environmental hazard?
Classify them.

How does the flood hazard is assessed? Suggest remedial measures for ~~the~~ flood hazard in Odisha.

Define hazard. Discuss the concept and types of hazards.

Discuss the disaster management cycle.

Discuss the role of NDMA in disaster management.

Discuss the nature, characteristics and management of Cyclone hazard.

Discuss the salient features of India's disaster management policy.

Discuss the causes and impacts of industrial hazards.

Discuss the nature, characteristics and management of Earthquake.

What do you mean by environmental management plan?
Explain the principles of environmental management plan.

How does environmental conservation affects the development process?

Assess water as a natural resource.

What do you understand by abiotic component of environment. What role climate plays as a component of environment?

DSE-1 Population Geography

Write an essay on the nature and scope of population geography.

Critically analyse the demographic transition theory.

What do you understand by structure and composition of population? Discuss the factors that affect the structure and composition of population.

Critically discuss the Malthusian theory of population growth.

Discuss the trend of urbanization in the developing countries of the world and the problems associated with it.

Discuss the measures, determinants and implications of fertility.

Give an account of the sources of population data with special reference to India.

Explain the rural-urban composition of population with reference to India.

What are the determinants of population growth?

DSE-II Resource Geography

Discuss the methods of conservation and management of forest resources.

Discuss the Resource scarcity hypothesis.

Discuss the concept and approach towards sustainable development of resources.

Give an account of the distribution and utilization of Water resources.

Discuss the problems in exploitation, depletion and degradation of resources with particular reference to mineral resources.

Define resource. Discuss the concept, types and classification of resources.

Explain the Functional Theory of resources.

Discuss the methods of conservation and management of Energy resources.

DSE-III Urban Geography

Discuss the nature and scope of urban geography.

Discuss the trends and patterns of urbanization in the developing countries of the world.

Critically evaluate the Christaller's Theory of Central Place.

Discuss the planning and urban issues with reference to Bhubaneswar.

Give an account of the functional classification of cities.

Discuss the concept of CBD in urban geography.

Define Umland. Discuss the urban sphere of influence and umland.

Critically evaluate the concentric zone theory of urban growth.

DSE-IV FIELD WORK AND RESEARCH METHODOLOGY.

Discuss the role and utility of fieldwork in geography.

Discuss the sources and types of data collection in geography.

Discuss the meaning and objectives of research. Differentiate between descriptive and experimental research.

Give an account of the significance and ethics of research.

Discuss the different approaches to research.

Describe the field techniques in Geography.

Differentiate between Questionnaire and Schedule. Discuss the preparation of Questionnaires and Schedules.