

**Revised Syllabus for 2020-21
GEOGRAPHY**

+2 1ST YEAR (ARTS / SCIENCE)

Course Structure

Part/Unit

Topic of Chapter

Unit-1 : GEOGRAPHY AS A DISCIPLINE

04 PERIODS

- Geography as an integrating discipline, as a science of spatial attributes
- Branches of geography, physical geography and human geography

Unit-2 : THE EARTH

- Origin and evolution of the earth; interior of the earth.
- Earthquake and volcanoes; cause type and effects.

Unit-3 : LANDFORMS

- Rocks: major types of rocks and their characteristics.
- Geomorphic processes: weathering, erosion and deposition, soil formation.

Unit-4 : CLIMATE

- Atmosphere: composition and structure, elements of weather and climate
- Insolation-angle of incidence and
- Pressure-pressure belts; winds-planetary, seasonal and fronts; tropical and extra tropical cyclones.
- Precipitation-evaporation; condensation-dew, frost, fog, mist and Rainfall types
- global warming and climatic changes.

Unit-5 : HYDROSPHERE

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- Oceans-distribution of temperature and salinity.
- Movement of ocean water-wave, tides and currents;
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Unit-6 : BIOSPHERE

- Biosphere-; biodiversity and conservation:
- Map work on identification of features based on 1 to 6 units on the outline/ physical/political map of the world.

Part-B : INDIA-PHYSICAL ENVIRONMENT Unit-7 : INTRODUCTION

04 PERIODS

- Location,

Unit-8 : PHYSIOGRAPHY

- Structure and relief; physiographic division (with special reference to Odisha)
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Unit-9 : CLIMATE, VEGETATION AND SOIL

- Weather and climate-spatial and temporal distribution of temperature, pressure, wind and rainfall,
- Natural vegetation-forest type and distribution, ; biosphere reserve. (with special reference to Odisha)
- Soils- major types (ICAR's clarification) and their distribution,

Unit-10 : HAZARDS AND DISASTERS:CAUSES CONSEQUENCES AND MANAGEMENT

- Floods,
- Droughts: types and impact.
- OTBA

PART-C : PRACTICAL WORK 50 PERIODS

Unit-1 : FUNDAMENTALS OF MAPS 20 PERIODS

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- Maps- types; scales -types; construction of simple linear scale, measuring distance; finding direction and use of the symbol
- Map projection- latitude, longitude and time, typology construction and properties of projection conical with one standard parallel and

Unit-2 : TOPOGRAPHIC AND WEATHER MAPS 30 PERIODS

- Study of topographic map (1:50,000 to 1:25,000 survey of India map); contour cross section and identification of landforms-slopes, hill, valley, waterfall, cliffs; distribution of settlements.
- Use of weather instruments: thermometer, wet and dry -bulb thermometer, barometer, wind vane, rain gauge

REVISED GEOGRAPHY SYLLABUS +2 2ND YEAR (ARTS/SCIENCE)

A. FUNDAMENTALS OF HUMAN GEOGRAPHY

Unit 1 : Human Geography: Nature and Scope

Unit 2 : People

Population-distribution, density and growth
Population change- spatial patterns and structure; determinants of population change;
Age-sex ration;rural-urban composition;

Unit 3 : Human Activities

Primary activities- Concept and ; gathering, pastoral, mining, subsistence agriculture.
Secondary activities- Concept; Manufacturing types household, small scale, large scale; agro based and mineral based industries; Tertiary activities- Concept;
Trade, transport and tourism; Services;

Unit 4 : Transport, Communication and Trade

Land Transport- Road, Railways; Water Transport- In-land waterways; Air Transport- Intercontinental air routes Oil and gas pipelines

Unit 5 : Human Settlements 10 Periods

Settlement types- rural and urban, morphology of cities(, problems of human settlements in developing countries

Map Work 05 Periods

Map work on identification of features based on 1-5 Units of outline/physical/political map of World

B. INDIA; PEOPLE AND ECONOMY

Unit 6 : People 15 Periods

Population: Distribution, density and growth; composition of population- sex, rural-urban and Migration: International, National-causes and consequences

Unit 7 : Human Settlements

Rural Settlements- types and distribution

Urban Settlements- types, distribution and functional classification

Unit 8 : Resources and Development

Geographical conditions and

distribution of major crops(wheat, rice, tea, , sugarcane

agriculture development and problems. Water Resources- availability and utilisation irrigation, domestic, industrial and other uses; scarcity of water and conservation methods rain water harvesting and water shade management.

Mineral and energy resources- Distribution of metallic (Iron ore, Bauxite,

Non metallic(Mica, minerals; conventional (coal, petroleum,and non-conventional energy sources (, biogas) and conservation

Industries- Types, factor of industrial location; distribution and changing pattern of selected

industries- iron and steel, cotton textile,

Unit 9 : Transport, communication and international trade

Transport and communication- roads, railways, waterways and airways: Oil and gas pipelines;

Unit 10 : Population, settlement, resources & transport of Odisha

Distribution of population

Mineral Resources (Iron, Buxite, Coal) forest resources

Map Work 05 Periods

Map work on locating and levelling of features based on above units on outline map of India

C. Practical Work

- Unit 1: (Vertical bar diagram,Horizontal wheeldiagram) and thematic mapping
- Unit 2: Field study of (To submit a project)
- Unit 3: Practical Record Book and Viva Voce