

GEOGRAPHY

Part -I (Marks 50) - Physical Geography

I. Land & Earth Formation:

- Factors controlling Landform Development
- Endogenic and Exogenic Forces
- Origin and evolution of the earth's crust
- Physical conditions of the earth's interior
- Geosynclines, Continental drift & Isostasy
- Sea-floor spreading, Plate Tectonics & Mountain building
- Volcanicity Earthquakes
- Concepts of Geomorphic Cycles
- Landforms associated with Fluvial, Arid, Glacial, Coastal and Karst Cycle
- Groundwater

II. Atmosphere:

- Elements and Factors of Climate
- Structure and Composition of Atmosphere
- Insolation, temperature, Pressure belts of the world
- Heat budget of the earth
- Atmospheric Circulation
- Planetary, Monsoon and Local winds
- Air masses and Fronts
- Hydrological Cycle
- Types of Condensation and Precipitation
- Factors of the Global distribution of Precipitation.

III. Oceans & Seas:

- Origin of Oceans and Seas
- Characteristic features of the Ocean basins
- Temperature & Salinity Distribution; their cause and effects
- Ocean floor deposits, their characteristics and classification
- Ocean Circulation
- Waves, Currents and Tides; their nature, causes and effects

IV. Climate & Environment:

- Factors of Climate and Environmental change
- Transformation of Nature by man
- Environmental degradation and conservation
- Nature and Types of pollution
- Problems caused by pollution
- Global Warming
- Global Environment Patterns
- Environmental Hazards and Risk Management

Part -II (Marks 50) - Human Geography

V. Culture, Languages, Religions, Ethnicity & Development:

- **Culture:**
Origin and Diffusion of Culture, Geographic patterns of culture.
- **Languages:**
Classification of Languages, World Distribution of Languages, Indo-European Languages.
- **Religions:**
Origins of Religions, Diffusion of Religions, Global Distribution, Regional conflicts.
- **Ethnicity:**
Ethnicities and Nationalities, Ethnic Conflicts, Ethnic Diversity in the World, Factors of Ethnic Cleansing, Ethnic Cleansing in the World.
- **Development:**
Development Indicators, Economic Indicators, Social Indicators, Health Indicators, Development through Trade, Impacts of development Indicators.

VI. Agriculture, Industrialization & Energy:

- **Agriculture:**
Factors affecting Agriculture, Subsistence Agriculture and population growth, Commercial Agriculture and Market Forces, Sustainable Agriculture, Types and Distribution of Agriculture.
- **Industrialization:**
Factors of Industrial locations, The Industrial Revolution, Industrial Theories, Distribution of Industries and Industrial Estates.
- **Energy:**
Renewable Resources, Recycling Resources, Sustainable resources.

VII. Population & Urbanization:

- **Population:**
Factors of Population Growth, Components of Change, Population Structure, The Demographic Transition, World distribution of Population, Over and under Population threats and their consequences.
- **Urbanization:**
Models of Internal Structure of Cities, World Urban Patterns, Settlement Theories, Patterns and Problems within urban areas.

VIII. Political Geography, Tourism & Health:

- **Political Geography:**
Politics, Geography and Political Geography, State as a Politico-Territorial Phenomenon, State, Nation and the Nation-State, World Politics and International Relations, Geopolitics of uneven Development and Globalization of Capital.
- **Tourism:**
Geography of Tourism and Recreation, The demand for tourism and recreation, The supply for tourism and recreation, The impact of tourism and recreation: (Socio-economic impacts, Physical-environmental impacts).
- **Health:**
Global patterns in health and diseases, Models in medical geography, Recent issues and developments.