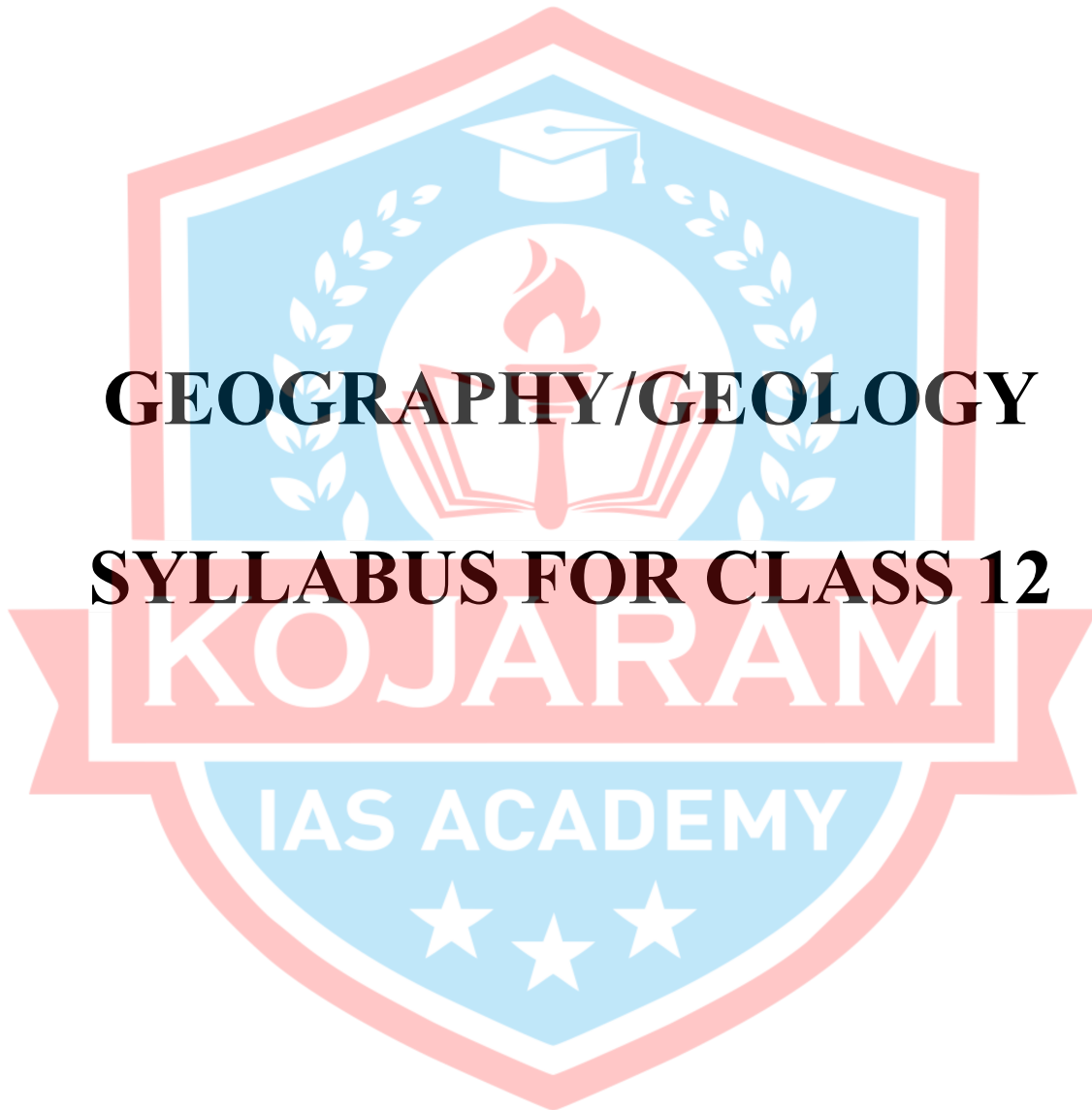


# **GEOGRAPHY/GEOLOGY-313**



*Note:*

*There will be one Question Paper which will have 50 questions out of which 40 questions need to be attempted.*

## **GEOGRAPHY/GEOLOGY**

### **Fundamentals of Human Geography**

#### **Unit I: *Human Geography: Nature and Scope***

#### **Unit II: *People***

- Population of the world – distribution, density, and growth;
- Population change-spatial patterns and structure; determinants of population change;
- Age-sex ratio; rural-urban composition;
- Human development – concept; selected indicators, international comparisons.

#### **Unit III: *Human Activities***

- Primary activities – concept and changing trends; gathering, pastoral, mining, subsistence agriculture, modern agriculture; people engaged in agriculture and allied activities – some examples from selected countries;
- Secondary activities – concept; manufacturing: agro-processing, household, small scale, large scale; people engaged in secondary activities – some examples from selected countries;
- Tertiary activities – concept; trade, transport, and communication; services; people engaged in tertiary activities – some examples from selected countries;
- Quaternary activities – concept; knowledge-based industries; people engaged in quaternary activities – some examples from selected countries.

#### **Unit IV: *Transport, Communication and Trade***

- Land transport – roads, railways – rail network; trans-continental railways;
- Water transport- inland waterways; major ocean routes;
- Air transport – Intercontinental air routes;
- Oil and gas pipelines;
- Satellite communication and cyberspace;
- International trade – Basis and changing patterns; ports as gateways of international trade, the role of WTO in International trade.

#### **Unit V: *Human Settlements***

- Settlement types – rural and urban; morphology of cities (case study); distribution of megacities; problems of human settlements in developing countries.

# GEOGRAPHY/GEOLOGY-313

## India: People and Economy

### Unit I: *People*

- Population: distribution, density and growth; composition of population-linguistic, religious;sex, rural-urban and occupational-regional variations in growth of population;
- Migration: international, national – causes and consequences;
- Human development – selected indicators and regional patterns;
- Population, environment, and development.

### Unit II: *Human Settlements*

- Rural settlements – types and distribution;
- Urban settlements – types, distribution, and functional classification.

### Unit III: *Resources and Development* (Periods 30)

- Land resources – general land use; agricultural land use – major crops; agricultural development and problems, common property resources;
- Water resources – availability and utilization – irrigation, domestic, industrial, and other uses; scarcity of water and conservation methods – rainwater harvesting and watershed management (one case study related to participatory watershed management to be introduced) ;
- Mineral and energy resources – metallic and non-metallic minerals and their distribution; conventional and non-conventional energy sources;
- Industries – types and distribution; industrial location and clustering; changing pattern of selected industries – iron and steel, cotton textiles, sugar, petrochemicals, and knowledge-based industries; impact of liberalization, privatization, and globalization on industrial location;
- Planning in India – target area planning (case study); idea of sustainable development (case study).

### Unit IV: *Transport, Communication and International Trade*

- Transport and communication — roads, railways, waterways, and airways; oil and gas pipelines; national electric grids; communication networkings – radio, television, satellite, and internet;
- International trade — changing pattern of India's foreign trade; seaports and their hinterland and airports.

### Unit V: *Geographical Perspective on Selected Issues and Problems*

- Environmental pollution; urban-waste disposal;
- Urbanisation-rural-urban migration; problem of slums;
- Land Degradation.

