

For the year 2025

**GEOGRAPHY/
GEOLOGY - 313**

Syllabus for

NCET 2025

GEOGRAPHY

Note:

There will be one Question Paper which will have 28 questions out of which 25 questions need to be attempted.

A. 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;
- 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 Industries.
- 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; transcontinental 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.

B. India: People and Economy

Unit - I *People*

- Population – distribution density and growth; composition of population; linguistic and religious; rural-urban population change through time-regional variations; occupation

Unit - II *Human Settlements*

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

Unit - III *Resources and Development*

- Land resources-general land use; agriculture 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
- Mineral and energy resources – metallic and non-metallic minerals and their distributions; conventional and non-conventional energy sources;
- Planning in India – target area planning; idea of sustainable development.

Unit - IV *Transport, Communication and International Trade*

- Transport and communication – roads, railways, waterways, and airways; oil and gas pipelines; 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;
- Urbanization-rural-urban migration; problems of slumps;
- Land degradation.