

ASSAM ADRE GEOGRAPHY SYLLABUS

Comprehensive Topic & Subtopic Hierarchy for Exam Preparation

1. Geography of Assam

1.1 Physical Geography

- **Physiographic Divisions:** Brahmaputra Valley, Barak Valley, and the Hills (Karbi Anglong & North Cachar).
- **Climate:** Monsoon characteristics, rainfall distribution, and seasons.
- **Soils:** Types of soil in Assam (Alluvial, Red, Laterite) and their distribution.

1.2 Drainage System

- **Brahmaputra River System:** Origin, major North bank tributaries (Subansiri, Kameng, Dhansiri, etc.), and South bank tributaries.
- **Barak River System:** Origin, major tributaries, and basin features.
- **Water Bodies & Islands:** Important Beels (wetlands), lakes (Deepor Beel, Son Beel), and Majuli (riverine island).

1.3 Natural Resources, Flora & Fauna

- **Protected Areas:** The 7 National Parks (Kaziranga, Manas, Nameri, Orang, Dibru-Saikhowa, Raimona, Dihing Patkai) and major Wildlife Sanctuaries.
- **Forest Wealth:** Types of forests (Tropical evergreen, semi-evergreen, deciduous).
- **Mineral Resources:** Oil and Natural Gas (Digboi, Naharkatia), Coal (Makum), and Limestone deposits.

1.4 Human & Economic Geography

- **Demographics:** Population density, literacy rates, and tribal populations (Bodos, Mishings, Karbis, etc.).
- **Agriculture & Industries:** Tea estates, sericulture (Muga, Eri, Pat), rice production, and petroleum refineries.
- **Transport:** National Highways traversing Assam, waterways, and railway networks.

2. Geography of India

2.1 Physical Features

- **Major Physiographic Divisions:** The Himalayas, Northern Plains, Peninsular Plateau, Indian Desert, Coastal Plains, and Islands (Andaman & Nicobar, Lakshadweep).
- **Passes & Peaks:** Important mountain passes and highest peaks across different ranges.

2.2 Drainage & Climate

- **River Systems:** Himalayan rivers (Ganga, Indus, Brahmaputra) and Peninsular rivers (Narmada, Tapi, Godavari, Krishna, Cauvery).
- **Indian Climate:** The Monsoon mechanism, factors affecting India's climate, El Nino, and La Nina effects.

2.3 Economic & Human Geography

- **Agriculture:** Rabi, Kharif, and Zaid crops; major producing states for wheat, rice, sugarcane, and cotton.
- **Resources & Industries:** Major iron ore, coal, and bauxite mines; steel plants and industrial corridors.
- **Demography:** Key highlights from the latest Census (population growth, sex ratio, urbanization).

3. Fundamentals of World Geography

3.1 Physical Geography

- **Earth & Universe:** Solar system basics, Earth's interior (crust, mantle, core).
- **Coordinates:** Latitudes, Longitudes, International Date Line, and time zones.
- **Geomorphology:** Continents, major mountain ranges (Andes, Rockies, Alps), and deserts (Sahara, Gobi).

3.2 Atmosphere & Oceans

- **Atmosphere:** Layers (Troposphere, Stratosphere, etc.) and composition.
- **Oceanography:** Major oceans, important ocean currents (warm and cold), and tides.