



TEACHERS' RECRUITMENT BOARD, TRIPURA (TRBT)
EDUCATION (SCHOOL) DEPARTMENT, GOVT. OF TRIPURA
SYLLABUS: GEOGRAPHY (MCQs OF 150 MARKS)
SELECTION TEST FOR POST GRADUATE TEACHER(STPGT): 2016

Unit-1: Geomorphology

- Earth Crust, Rocks, Wagner's Continental Drift Theory, Plate Tectonic Theory.
- Earthquakes, Volcanoes and Associated Land Forms.
- Landforms Associated With Endogenetic Process: Folds And Faults.
- Concept of Gradation, Weathering and Mass Wasting.
- Landform Associated With Exogenetic Processes: Fluvial, Glacial, Aeolian And Marine.
- Drainage Patterns and Channel Patterns, Relation of Drainage Patterns with Structure and Topography.
- Davisian Cycle of Erosion: Fluvial and Arid

Unit-2: Oceanography

- Topography of Ocean Floor.
- Bottom Relief of the Pacific, Atlantic and Indian Ocean.
- Origin and Classification of Ocean Deposit.
- Determinants of Temperature and Salinity of Ocean Water.
- Ocean Currents of the Pacific, Atlantic and Indian Ocean.
- Ocean as a Storehouse of Resources.

Unit-3: Climatology

- Composition and Structure of the Atmosphere.
- Elements of Weather and Climate.
- Insolation, Heat Budget, Factors Controlling Temperature, Inversion of Temperature.
- Pressure Belts and Wind System.
- Atmospheric Disturbances and Associated Weather: Tropical Cyclone Extra-Tropical Cyclone, Anticyclone.
- Indian Monsoon: Origin, Characteristics and Effects.
- Precipitation: Processes, Forms, Types of Rainfall.
- Climatic Characteristics: Equatorial, Monsoon, Mediterranean, Desert, Steppe, Tundra, Highland.

Unit-4: Biogeography

- Components of Biosphere.
- Ecosystem: Concept, Importance and Types.
- Factors and Processes of Soil Formation, Soil Profile, Soil Erosion and Conservation.
- Factors of Plant Growth, World Distribution of Forests and Their Utility, Deforestation and Conservation of Forest.
- Concept and Importance of Biodiversity

- Concept and Classification of Biome.

Unit-5: Environmental Geography

- Concept of Environmental Degradation, Pollution and Pollutants.
- Different Types of Pollution: Air, Water, Land and Noise- Their Causes, Consequences and Mitigations.
- Causes and Effects of Ozone Depletion.
- Green House Effect and Climate Change.
- Concept of Hazards, Vulnerability, Risk And Disaster.
- Natural Hazards: Earthquake, Flood, Landslide, Riverbank Erosion, Tsunami, Cyclone-Their Causes Effects and Managements.
- Ecosystem (Principles and Components, Energy Flow, Food Chain, Food Web and Bio-Geochemical Cycles); Biomes (Concepts, Types and Ecological Adaptation); Environmental Degradation and Hazards, Management and Conservation; Meaning of Natural Environment; Man-Environment Relationship; Natural Regions and Environmental Adaptation of Human Life; Economy and Society.

Unit-6: Economic Geography

- Resources: Concept, Classification, Significance.
- Types of Fishing, Factors Controlling the Development of World Commercial Fishing Grounds, Conservation of Fishes.
- Lumbering in Temperature and Tropical Region.
- Mineral Resources: Iron Ore, Manganese, Copper and Mica.
- Mineral Resources of Tripura.
- Power Resources: Conventional (Coal, Petroleum, Natural Gas, Uranium and Thorium); Non-Conventional (Solar, Biogas, Wind, Tidal, Geothermal); Water as Source of Power, Conservation of Power Resources, Power Resources of Tripura.
- Agriculture: Shifting, Intensive Subsistence, Extensive Commercial, Plantation and Mixed-Farming.
- Agricultural Crops: Rice, Wheat, Tea, Rubber and Their World Distribution.
- Concept of Green Revolution, White Revolution and Blue Revolution.

Unit-7: Industrial Geography

- Factors for Development of Industries.
- Agro-Based Industries: Food Processing-India and Tripura. Cotton Textile- USA and India. Ready-Made Garments-India. Jute Textiles-Bangladesh and India.
- Forest-Based Industries: Paper-India and Canada. Rubber-Southeast Asia, Brazil and India.
- Mineral-Based Industries: Iron and Steel-USA, UK, Japan, China and India. Petro-Chemical-India and USA.
- Engineering and Automobiles- India and USA.
- International Trade: Causes, Principle And Importance.
- Function and Role of World Trade Organisation (WTO).

Unit-8: Population Geography

- Factors Effecting the Distribution and Density of Population; Trends in Population Growth, Demographic Transition Model; Present Status of India.
- Migration, Age-Sex Ratio; Determinants of Population Change.
- Types and Pattern of Rural Settlement.
- Classification of Urban Settlements.
- Urbanisation: Process, Trends and Problems.

Unit-9: Geography of India with special reference to Tripura

- Physiography and Drainage.
- Climate, Soil and Natural Vegetation.
- Agriculture: Characteristics and Problems.
- Different Industrial Regions of India: Mumbai-Pune; Ahmedabad-Surat; Hughly-Haldia; Durgapur-Asansol; Chotonagpur Industrial Belt and Industrial Electronic Area of Bangaluru.
- Problems and Prospect of Industrial Development of Tripura.
- Prospects of Tourism Development in Tripura.
- Transport System of Tripura.

Unit-10: Practical Geography

- Maps and Scale: Types of Maps, Chorocromatic and Cropleth Maps, Concept of Scale.
- Projection: Definition, Classification, Concept of Standard Parallel, Properties of Simple Conical Projection, Cylindrical Equal Area Projection and Stereographic Projection.
- Topographical Maps: Conventional Signs, Concept of Contour, Relief Features, Drainage Patterns, Settlement Patterns.
- Weather Maps: Meteorological Symbols, Gradient of Pressure, Wind Velocity and Direction, Sky Condition and Other Atmospheric Phenomena.
- Concept of Isotherm, Isobar, Isohyets, Range of Temperature and Relative Humidity.
- Statistics: Concept of Data, Primary and Secondary Data, Tabulation and Classification of Data, Frequency Distribution, Histogram, Polygon and Ogive.
- Measures of Central Tendency: Mean, Median and Mode.
- Measures of Dispersion: Quartile, Percentile and Decile.
- Necessity and Importance of Field Survey, Random Sampling, Questionnaire and Schedule.
