

TRIPURA BOARD OF SECONDARY EDUCATION

SYLLABUS

(effective from 2015)

SUBJECT : GEOGRAPHY

(Class – XII)

GEOGRAPHY
COURSE STRUCTURE
CLASS XI (Theory)

One Paper **Time : 3 Hours** **Marks : 70**

| Unit | Title | Marks |
|-------------|------------------------------------------------------------------------------------------------------|--------------|
| I | Geomorphic Processes and resultant Landforms | 08 |
| II | Cycle of Erosion. | 06 |
| III | Drainage Pattern, classification, characteristics and relation with structure and topography. | 05 |
| IV | Soil :- Definition, factors of soil formation | 08 |
| V | Climate | 08 |
| VI | Concept of Economic activities | 08 |
| VII | Secondary Activities – Industry | 08 |
| VIII | Population | 07 |
| IX | Settlement | 07 |
| X | Regional Economic Development | 05 |
| | Total | 70 |

Unit –I

(a): Geomorphic Processes and Resultant Landforms (30 periods)

- Landforms associated with Exogenetic Process.
- Concept of Gradation :- Degradation, Aggradation, Weathering, Erosion and Mass Wasting.

(b) Agents of Gradations- Processes and Landforms

- Work of river
- Work of glacier
- Work of wind
- Work of ground water
- Work of sea-waves.

Unit –II

(10 periods)

Cycle of Erosion: Mechanism and Processes

- Fluvial Cycle of Erosion (Davis)
- Interruptions in Fluvial Cycle and resultant Landforms
- Arid Cycle of Erosion

Unit –III

(05 periods)

Drainage Pattern:

- Classification
- Characteristics
- Relation of drainage pattern with structure and topography.

Unit –IV

(20 periods)

Soil :- Definition, factors of soil formation

- Soil forming processes – fundamental (weathering, illuviation, eluviation , humification)
Specific (Laterization, Podzolization, salinization)
- Soil profile
- Soil erosion and conservation

Unit –V

(25 periods)

Climate

- Atmosphere- composition and structure
- Insolation- factors controlling temperature, distribution of temperature- vertical and horizontal.
- Inversion of temperature
- Pressure belts and wind system
- Cyclone – tropical and extra tropical
- Anti-Cyclone – types and associated weather
- Concept of Jet stream, El-nino, La-nina.
- Forms of Precipitation
- Types of rainfall
- World climatic classification- Equatorial, Monsoon, Mediterranean, Desert, Polar.

Unit –VI

(25 periods)

Concept of Economic activities

- Primary, Secondary, Tertiary, Quaternary, Quinary
- **Primary activity – Agriculture**
 - a. Types of Agriculture
 - b. Shifting Cultivation
 - c. Intensive Subsistence Farming
 - d. Extensive Commercial Farming
 - e. Plantation Farming
 - f. Mixed Farming
- Geographical factors , distribution and production of the following :
 - Rice (Leading two countries)
 - Wheat (Leading two countries)
 - Tea (India and Srilanka)
 - Rubber (India)
- Concept of Green Revolution, White Revolution, Blue Revolution.

Unit –VII

(25periods)

Secondary Activities – Industry

- Factors affecting location of Industries (Alfred Weber)
- Types of Industries – **(a)Agro-based**
 - Food Processing (India)
 - Cotton Textile (India and U.S.A.)
 - Ready- made Garments (India)
 - Jute (India and Bangladesh)
- (b) Forest based**
 - Paper (India and Canada)
 - Rubber (India, Malaysia, Brazil)
- (c) Mineral based**
 - Iron and Steel (India, China and Japan)
 - Petrochemical (India and U.S.A.)
- (d) Engineering and Automobiles (India and U.S.A.)**

Unit –VIII**(15 periods)****Population**

- Causes and distribution of population
- Density of population
- Present trend of population
- Population growth (special reference to India)
- Migration – Types, causes and impact of migration on distribution of population
- Determinants of population change
- Age-Sex Ratio.
- Demographic Transition Model : Present status of India.

Unit –IX**(08 periods)****Settlement**

- Types of settlement- Rural and Urban
- Rural settlement – Types, factors determining the type of rural settlements, patterns and distribution.
- Urban settlement – Classification according to size and functions

Unit –X**(07periods)****Regional Economic Development**

- Basic indicators of Economic Development
- Basic indicators of Human Development Index
- Concept of Region
- Planning Region: Classification, Hierarchy of planning region.
- Growth and Development of the following regions :
 - a. Haldia Port.
 - b. Chhattisgarh
 - c. Electronic Industrial Area – Bangaluru

PRACTICAL

Periods -30

Hours -03 (Three)

Marks -30

A. Topographical Maps : (Plateau Region) 6

- Study of conventional signs
- Drawing of cross –sections studying contour lines to show the topographical features like valley, spur, escarpment, hill, plateau, waterfall and cliff.
- **Identification and interpretation of the following :**
 - i. Drainage Patterns
 - ii. Transport and Communication System
 - iii. Settlement Patterns

B. Weather Map (Rainy Season) 6

- Study of meteorological symbols
- Identification and interpretation of the following :
 - i. Pressure gradient with cross-sections
 - ii. Wind Velocity and direction
 - iii. Sky Condition

C. Statistics : 8

- Concept of Data – Primary and Secondary, Grouped and Ungrouped.
- Tabulation and Classification of data
- Frequency distribution – Histogram, Polygon and Ogive
- Measures of Central tendency: Mean, Median, Mode.

D. Field Report and Viva- Voce based on local survey on any one of the following 5+2

- Agricultural land use survey of a part of a Mouza.
- Traffic flow of a road in the vicinity of the Institution
- House hold survey of a locality (family size /age sex structure / literacy /occupation)

- Observation and Questionnaire Survey may be adopted for the data collection.
- Collected data may be tabulated and analyzed with diagrams and maps.

E. Laboratory Note book and Viva- Voce : 2+1

GEOGRAPHY Class –XII**Unit wise question types with marks distribution**

| Unit | Title | MCQ/VSA 1Mark | SAI 2 Marks | SAII 3Marks | LA 5Marks | Total |
|------------------------|-----------------------------------------------------------------------------------------------|--------------------------|------------------------|------------------------|----------------------|--------------|
| I | Geomorphic Processes and resultant landforms | 1 | 1 | - | 1 | 08 |
| II | Cycle of Erosion. | 1 | - | - | 1 | 06 |
| III | Drainage Pattern, classification, characteristics and relation with structure and topography. | - | 1 | 1 | - | 05 |
| IV | Soil :- Definition, factors of soil formation | - | 1 | 2 | - | 08 |
| V | Climate | 1 | 2 | 1 | - | 08 |
| VI | Concept of Economic activities – primary activity | 1 | 1 | - | 1 | 08 |
| VII | Secondary activities – Industry | 1 | 1 | - | 1 | 08 |
| VIII | Population | 2 | 1 | 1 | - | 07 |
| IX | Settlement | 2 | 1 | 1 | - | 07 |
| X | Regional Economic Development | - | 1 | 1 | - | 05 |
| TOTAL NO. OF QUESTIONS | | 3+6=9 | 10 | 07 | 04 | 30 |
| TOTAL MARKS | | 09 | 20 | 21 | 20 | 70 |

- N.B : 1. Internal Choice : There is no overall choice in the paper. However, there is an internal choice of three questions of 3 marks weightage and three questions of 5 marks weightage.
2. In case of SA –II & LA types total allotted marks in each may be sub-divided into parts, if necessary.
3. Questions should be set covering each unit.