

GEOGRAPHY
THEORY
CLASS - XI

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

PART :	UNIT	MARKS
A.	FUNDAMENTALS OF PHYSICAL GEOGRAPHY	(30 Marks)
	1. Geography as a Discipline.	3
	2. The Earth.	4
	3. Landforms.	6
	4. Climate.	10
	5. Water (Oceans).	5
B.	INDIA : PHYSICAL ENVIRONMENT	(30 Marks)
	7. Introduction.	2
	8. Physiography	10
	9. Climate, Vegetation and Soil.	10
	10. Natural Hazards and Disasters : Causes, Consequences and Managements.	8
C.	MANIPUR : PHYSICAL ENVIRONMENT	(10 Marks)
	11. Introduction and Physiography	5
	12. Climate, Vegetation and Soil.	5

PART-A FUNDAMENTALS OF PHYSICAL GEOGRAPHY**Unit-1 Geography as a discipline**

- (a) Geography as an integrating discipline, as a science of spatial attributes;
- (b) Branches of Geography; importance of Physical Geography.

Unit-2 The Earth

- (a) Interior of the earth; Earthquakes and Volcanoes.

Unit-3 Landforms

- (a) Rocks and minerals - major types of rocks and their characteristics.

Unit-4 Climate

- (a) Atmosphere–Compositions and structure; elements of weather and climate.
- (b) Insolation – angle of incidence and distribution; heat budget of the earth– heating and cooling of atmosphere (conduction, convection, terrestrial, advection); Temperature–factors controlling temperature; distribution of temperature–horizontal and vertical; inversion of temperature.
- (c) Precipitation–evaporation; condensation–dew, frost, fog, mist and clouds; rainfall–types and world distribution.

Unit-5 Water (Oceans)

- (a) Oceans–submarine relief; distribution of temperature and salinity; movements of ocean water–waves, tides and currents.

Unit-6 Life on the Earth.

- (a) Biosphere–importance of plants and other organisms; biodiversity and conservation; ecosystems, bio-geo chemical and ecological balance.

PART-B INDIA : PHYSICAL ENVIRONMENT**Unit-7 Introduction**

- (a) Location–Space relations and India’s place in the world.

Unit-8 Physiography

- (a) Structure and relief;
- (b) Physiographic divisions

Unit-9 Climate, Vegetation and Soil

- (a) Weather and Climate–spatial and temporal distribution of temperature, pressure, winds and rainfall; Indian monsoons; mechanism, onset and withdrawal, variability–spatial and temporal; climatic types.
- (b) Natural vegetation, forests–types and distribution; wildlife; conservation; biosphere reserves;

Unit-10 Natural Hazards and Disasters : Causes, Consequences and Management. (one case study to be introduced for each topic)

- (a) Earthquake and Tsunami
- (b) Cyclone

PART-C MANIPUR : PHYSICAL ENVIRONMENT**Unit-11 Introduction and Physiography**

- (a) Physiography–Relief and Drainage

Unit-12 Climate, Vegetation and Soils

- (a) Climate
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- (b) Vegetation–types and distributions

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GEOGRAPHY**PRACTICAL
CLASS - XI****One Paper****3 Hours****Marks : 30**

PART :	UNIT	Marks 30
D.	1. Fundamentals of maps.	15 (6+4+5)
	2. Topographic and Weather maps.	5
	3. Practical Record Book.	5
	4. Viva-Voce	5

PART-D PRACTICAL WORK**Unit-1 FUNDAMENTALS OF MAPS**

- (a) Maps–types; Scales–types; construction of linear scales, measuring distance, finding direction and use of symbols;
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- (b) Latitude, Longitude and time;

Unit-2 TOPOGRAPHIC AND WEATHER MAPS

- (a) Representation of relief; drawing of contour cross sections of the feature represented by contours–slopes, hills, valleys waterfalls, cliffs; study of topographic maps (RF. 1:50,000 or 1:25,000, survey of India maps): identification of physical features–slopes, hills, valleys, waterfall, cliffs etc. and cultural features–distribution of settlements;
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- (b) Use of weather instruments : thermometer, wet and dry bulb thermometer, barometer, windvane, rain gauge.
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- (c) Use of weather charts : describing pressure, wind and rainfall distribution.

PRESCRIBED TEXTBOOKS :

1. Fundamentals of Physical Geography
(Textbook in Geography for Class XI)
Published by : NCERT, New Delhi.
2. India : Physical Environment
(Textbook in Geography for Class XI)

Published by : NCERT, New Delhi.

3. Manipur : Physical Environment
(Textbook in Geography for Class XI)
By : H. Shyamsunder Singh
Published by : Council of Higher Secondary Education, Manipur
4. Practical Work in Geography Part I
(Textbook for Class XI)
Published by : NCERT, New Delhi.

REFERENCE BOOKS :

1. Geography for Class XI
By : D.R. Khullar
Published by : Saraswati House Pvt. Ltd., New Delhi - 110002
2. Geography for Class XI
By : Yash Pal Singh
Published by : V.K. (India) Enterprises, New Delhi - 2

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GEOGRAPHY
THEORY
CLASS - XII

One Paper

3 Hours

Marks : 70

PART :	UNIT	MARKS
A.	FUNDAMENTALS OF HUMAN GEOGRAPHY	(30 Marks)
	1. Human Geography-Nature and Scope	3
	2. People	5
	3. Human Activities	10
	4. Transport, Communication and Trade	9
	5. Human settlements	3
B.	INDIA : PEOPLE AND ECONOMY	(30 Marks)
	6. Indian-People	4
	7. Human settlements	3
	8. Resources and Development	11
	9. Transport, Communication and International Trade	7
	10. Geographical perspective on selected issues and problems	5
C.	MANIPUR : PEOPLE AND ECONOMY	(10 Marks)
	11. People and Human Settlement	4
	12. Resources and Development	4
	13. Transport, Communication and Trade	2

PART-A FUNDAMENTALS OF HUMAN GEOGRAPHY

Unit-1 Human Geography : Nature and Scope

Unit-2 People

- (a) Population of world—distribution, density and growth;
- (b) Population change—spatial patterns and structure; determinants of population change
- (c) Human development—concept; selected indicators, international comparisons

Unit-3 Human Activities

- (a) 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.
- (b) Secondary activities—Concept; manufacture : agro-processing, house hold, small—

scale, large-scale; people engaged in secondary activities—Some examples from selected countries;

Unit-4 Transport, Communication and Trade

- (a) Land transport—roads, railways—rail network; trans—continental railways;
- (b) Water transport—inland waterways; major Ocean routes;
- (c) International trade—Basis and changing patterns; ports as gateways of international trade, role of WTO in International trade.

Unit-5 Human Settlements

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

PART-B INDIA : PEOPLE AND ECONOMY

Unit-6 India-People

- (a) Population—distribution, density and growth; composition of population: linguistic and religious; rural—urban population change through time-regional variations; Occupation.
- (b) Migration : international, national—causes and consequences;

Unit-7 Human Settlements

- (a) Rural settlements—types and distribution;
- (b) Urban settlements—types, distribution and functional classification.

Unit-8 Resources and Development

- (a) Water resources—availability and utilization—irrigation, domestic, industrial and other uses; Scarcity of water and conservation methods—rain water harvesting and watershed management (One case study related with participator watershed management to be introduced)
- (b) Mineral and energy resources—metallic and non-Metallic minerals and their distribution; conventional and non-conventional energy sources;
- (c) 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;

Unit-9 Transport, Communication and International Trade

- (a) Transport and communication—roads, railways, waterways and airways; oil and gas pipelines; national electric grids; Communication networkings—radio, television, satellite and internet;

Unit-10 Geographical Perspective on selected Issues and Problems (One case study to be introduced for each topic)

- (a) Environmental pollution; Urban—waste disposal;
- (b) Land Degradation.

PART-C MANIPUR : PEOPLE AND ECONOMY

Unit-11 People and Human Settlement

- (a) Human settlements : types—rural & urban, distribution pattern and urban functional classification.

Unit-12 Resources and Development

- (a) Forest products, conservation of forests for ecological balance;
- (b) Industries;

Unit-13 Transport, Communication and Trade:

- (a) Transport and communication—roads, railways, waterways and airways; Communication networking—radio, television, satellite and internet.

PRESCRIBED TEXTBOOKS :

1. Fundamentals of Human Geography
(Textbook in Geography for Class XII)
Published by : NCERT, New Delhi.
2. India : People and Economy
(Textbook in Geography for Class XII)
Published by : NCERT, New Delhi.
3. Manipur : People and Economy
(Textbook in Geography for Class XII)
By : H. Shyamsunder Singh
Published by : Council of Higher Secondary Education, Manipur
4. Practical Work in Geography Part II
(Textbook for Class XII)

Published by : NCERT, New Delhi.

REFERENCE BOOKS :

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Published by : V.K. (India) Enterprises, New Delhi - 2

GEOGRAPHY
PRACTICAL
CLASS - XII

One Paper

3 Hours

Marks : 30

PART :	UNIT	Marks 30
D.	1. Processing of Data and Thematic Mapping	20
	2. Practical Record Book.	5
	3. Viva-Voce	5

PART-D PRACTICAL WORK

Unit-1 Processing of Data and Thematic Mapping

- (a) Sources of data;
- (b) Tabulating and processing data; calculation of averages, measures of central tendency, deviation and rank correlation;
- (c) Representation of data—construction of diagrams : bars, circles and flowchart, thematic maps.
- (d) Use of computers in data processing and mapping.

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