

GEOGRAPHY

THEORY
CLASS - XI

One Paper

3 Hours

Periods : 166

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
	6. Life on the Earth.	2
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 (Periods 78)

Unit-1 Geography as a discipline (Periods 5)

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

Unit-2 The Earth (Periods 10)

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

Unit-3 Landforms (Periods 20)

- (a) Landforms and their evolution.
- (b) Geomorphic processes - Weathering, erosion and deposition; soil - formation, major types.

Unit-4	Climate	(Periods 30)
	(a) Atmosphere–Compositions and structure; elements of weather and climate.	
	(b) Temperature–factors controlling temperature; distribution of temperature–horizontal and vertical; inversion of temperature.	
	(c) Pressure–Pressure belts; wind–planetary, seasonal and local; air masses and fronts; Cyclones–tropical and extra–tropical.	
	(d) Precipitation–evaporation; condensation–dew, frost, fog, mist and clouds; rainfall–types and world distribution.	
Unit-5	Water (Oceans)	(Periods 8)
	(a) Hydrological Cycle;	
	(b) Ocean–submarine relief; distribution of temperature and salinity, movements of ocean water–waves, tides and currents.	
Unit-6	Life on the Earth.	(Periods 5)
	(a) Biosphere–importance of plants and other organisation; biodiversity and conservation; ecosystems and ecological balance.	
PART-B	INDIA : PHYSICAL ENVIRONMENT	(Periods 68)
Unit-7	Introduction	(Periods 4)
	(a) Location–Space relations and India’s place in the world.	
Unit-8	Physiography	(Periods 22)
	(a) Structure and relief;	
	(b) Drainage system: the Himalayan and the Peninsular;	
	(c) Physiographic divisions	
Unit-9	Climate, Vegetation and Soil	(Periods 22)
	(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;	
	(c) Soils-major types (ICAR’s classification) and their distribution, soil degradation and conservation.	
Unit-10	Natural Hazards and Disasters : Causes, Consequences and Management. (one case study to be introduced for each topic)	(Periods 20)
	(a) Earthquake and Tsunami	
	(b) Cyclones	

PART-C MANIPUR : PHYSICAL ENVIRONMENT

(Periods 20)

Unit-11 Introduction and Physiography

(Periods 10)

- (a) Location, Size and Extension
- (b) Physiography–Relief and Drainage

Unit-12 Climate, Vegetation and Soils

(Periods 10)

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

GEOGRAPHY

PRACTICAL

CLASS - XI

One Paper

3 Hours

Periods : 54

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

Periods 54

Unit-1 FUNDAMENTALS OF MAPS

Periods 22

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

Periods 8

(b) Latitude, Longitude and time;

Periods 4

(c) Map projection– construction and properties of Cylindrical Equal-Area, conical with one standard parallel.

Periods 10

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 (R.RF. 1:50,000 or 1:25,000, survey of India maps): identification of physical feature–slopes, hills, valley, waterfall, cliffs etc. and cultural features–distribution of settlements;

Periods 32

(b) Use of weather instruments : thermometer, wet and dry bulb thermometer, barometer, windvane, rain gauge.

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

DESIGN OF QUESTION PAPER

Subject : **GEOGRAPHY**
Paper : Theory
Class : XI
Full Mark : 70
Time : 3 Hours

WEIGHTAGE TO OBJECTIVES						
	Objectives	Marks	Percentage			
I	Knowledge (K)	14	20			
	Understanding (U)	32	46			
	Application (A)	21	30			
	Skill (S)	3	4			
	Total :	70	100			
WEIGHTAGE TO FORM OF QUESTIONS:						
	Form of Questions	No. of Question	Time (in minute)	Marks	Percentage	
II	Essay/Long Answer (E/LA)	3	60	15	21	
	Short Answer (SA-I)	6	36	18	26	
	Short Answer (SA-II)	10	40	20	29	
	Very Short Answer (VSA)	10	30	10	14	
	MCQ	7	14	7	10	
	Total:	36	180	70	100	
WEIGHTAGE TO CONTENT:						
UNIT/CONTENTS :				Marks		
III	A. Fundamentals of Physical Geography					
	1.	Geography as a discipline			3	
	2.	The Earth			4	
	3.	Landforms			6	
	4.	Climate			10	
	5.	Water (Oceans)			5	
	6.	Life on the Earth			2	
	B. India : Physical Environment					
	7.	Introduction			2	
	8.	Physiography			10	
	9.	Climate , Vegetation and Soil			10	
	10.	Natural Hazards and Disasters :Causes, Consequences and Management			8	
	C. Manipur : Physical Environment					
	11.	Introduction and Physiography			5	
	12.	Climate , Vegetation and Soil			5	
Total :				70		
IV	SCHEME OF SECTIONS : Nil					
V	SCHEME OF OPTIONS : Internal option may be given in Essay Type Question & SA-I.					
VI	DIFFICULTY LEVEL :					
	Difficult	:	30%			
	Average	:	50%			
	Easy	:	20%			

Abbreviation : K(Knowledge), U(Understanding), C(Comprehension), Exp.(Expression), Skill(S), E(Essay Type), SA (Short Answer Type), VSA (Very Short Answer Type), MCQ(Multiple Choice Question)

DESIGN QUESTION PAPER/UNIT TEST

Subject : GEOGRAPHY
Unit/Paper : Practical
Class : XI
Time : 3 Hours
Full Marks : 30

I.	WEIGHTAGE TO OBJECTIVES :					
	Objectives	K	U	A	S	Total
	Percentage of Marks	7	20	13	60	100
	Marks	1	3	2	9	15
II.	WEIGHTAGE TO FORM OF QUESTIONS :					
	Forms of Questions	E	SA-I	SA-II	VSA	Total
	No. of Questions	1	2	1	2	6
	Marks Allotted	5	6	2	2	15
	Estimated Time (in Minutes)	60	60	50	10	180
III.	WEIGHTAGE TO CONTENT :					
	Units/Sub-units					Marks
	1.	Fundamentals of Maps				15=(6+4+5)
	2.	Topographic and weather maps				5
	3.	Practical Record Book				5
	4.	Viva-Voce				5
Total :					30	
IV.	SCHEME OF SECTIONS : Nil					
V.	SCHEME OF OPTIONS: Internal Choice (either or type) on a very selective basis may be provided in the case essay type question					
VI.	DIFFICULTY LEVEL :					
Difficult : 30% Average : 50% Easy : 20%						

Abbreviation : K (Knowledge), U (Understanding), A (Application), S (Skill), E (Essay Type), SA (Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)

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GEOGRAPHY

THEORY
CLASS - XII

Periods : 170

One Paper

3 Hours

Marks : 70

PART :	UNIT	MARKS
A.	FUNDAMENTALS OF HUMANS 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. 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 : PHYSICAL ENVIRONMENT	(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 (Periods 75)

Unit-1 Human Geography : Nature and Scope (Periods 4)

Unit-2 People (Periods 13)

- (a) Population of world–distribution, density and growth;
- (b) Population change–spatial patterns and structure; determinants of population change
- (c) Age–Sex ratio, rural–urban composition;

Unit-3 Human Activities (Periods 28)

- (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;
- (c) Tertiary activities–Concept; trade, transport and communication; Services, people engaged in tertiary activities some examples from selected countries.

Unit-4 Transport, Communication and Trade (Periods 20)

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

Unit-5 Human Settlements (Periods 10)

- (a) Settlement types–rural and urban; problems of human settlements in developing countries.

PART-B INDIA : PEOPLE AND ECONOMY (Periods 75)

Unit-6 People (Periods 10)

- (a) Population–distribution, density and growth; composition of population: rural–urban population change through time-regional variations; Occupation.
- (b) Migration : international, national–causes and consequences;
- (c) Human development–selected indicators and regional patterns;

Unit-7 Human Settlements (Periods 8)

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

Unit-8 Resources and Development (Periods 30)

- (a) Land resources–general land use; agricultural land use–major crops; agricultural development and problems, common property resources;
- (b) Water resources–availability and utilization–irrigation, domestic, industrial and other uses; Scarcity of water and conservation methods-rain water harvesting and watershed management (Once case study related with participator watershed management to be introduced)

- (c) Mineral and energy resources—metallic and non-Metallic minerals and their distribution; conventional and non-conventional energy sources;
- (d) 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 (Periods 15)

- (a) Transport and communication—roads, railways, waterways and airways; oil and gas pipelines; national electric grids; Communication networkings—radio, television, satellite and internet;
- (b) International trade—changing pattern of India’s foreign trade; sea ports and their hinterland, and airports.

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) Problem of slums;
- (c) Land Degradation.

PART-C MANIPUR : PEOPLE AND ECONOMY (Periods 20)

Unit-11 People and Human Settlement (Periods 8)

- (a) Population : distribution, density and growth; structure—age—sex; participation—workers and non—workers; migration—international, national—causes and consequences.
- (b) Human settlements : types—rural & urban, distribution pattern and urban functional classification.

Unit-12 Resources and Development (Periods 7)

- (a) Forest products, conservation of forests for ecological balance;
- (b) Land resources, water resources, mineral and energy resources;
- (c) Industries;

Unit-13 Transport and Communication: (Periods 5)

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

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2. India : People and Economy
(Textbook in Geography for class XII)
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GEOGRAPHY

PRACTICAL

CLASS - XII

Periods : 166

One Paper

3 Hours

Marks : 30

PART :	UNIT	Marks 30
D.	1. Processing of Data and Thematic Mapping	15
	2. Field Study or spatial Information Technology	5
	3. Practical Record Book.	5
	4. Viva-Voce	5

PART-D PRACTICAL WORK

(Periods 50)

Unit-1 Processing of Data and Thematic Mapping

(Periods 25)

- (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.

Unit-2 Field Study or Spatial Information Technology

(Periods 25)

Field visit and study : map orientation, observation and preparation of sketch; survey on any one of the local concerns; pollution, ground water changes, land use and land use changes, poverty, energy issues, soil degradation, drought and flood impacts (any one topic of local concern may be taken up for the study; observation and questionnaire survey may be adopted for the data collection; collected data may be tabulated and analysed with diagrams and maps.

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UNIT/CONTENTS :				Marks	
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III	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				
	6.	India – 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				
	11.	Manipur – People and Human Settlement			4
12.	Resources and Development			4	
13.	Transport, Communication and Trade.			2	
Total :				70	
IV	SCHEME OF SECTIONS : Nil				
V	SCHEME OF OPTIONS : Internal option may be given in Essay Type Question & SA-I.				
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	Difficult	:	30%		
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