

Geography
Code No. 029
Class XI (2021-22)
Term wise Syllabus

COURSE CONTENT TERM I

MARKS: 35
Weightage

Part A:	Fundamentals of Physical Geography	15 Marks
Unit I:	Geography as a Discipline <ul style="list-style-type: none"> □ Geography as an integrating discipline, as a science of spatial attributes. Branches of Geography: Physical Geography and Human Geography. Scope and Career Options (Non-evaluative) 	3
Unit II:	The Earth <ul style="list-style-type: none"> □ Origin and evolution of the earth; interior of the earth □ Wegener's continental drift theory and plate tectonics □ Earthquakes and volcanoes: causes, types and effects 	9
Unit III:	Landforms <ul style="list-style-type: none"> □ Rocks: major types of rocks and their characteristics 	3
Part B:	India - Physical Environment	15 Marks
Unit I:	Introduction <ul style="list-style-type: none"> □ Location, space relations, India's place in the world 	7
Unit II:	Physiography <ul style="list-style-type: none"> □ Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers 	8
Map work on identification / interpolation of features based on the units on the outline Physical/Political map of the world/ India		5
Part C:	Practical Work	15 Marks
	CH1: Introduction to Maps	
	CH2: Map Scale	
	CH3: Latitudes, Longitudes and Time	

COURSE CONTENT TERM II

MARKS : 35

Weightage

Part A:	Fundamentals of Physical Geography	15 Marks
Unit IV:	<p>Climate</p> <ul style="list-style-type: none"> □ Atmosphere- composition and structure; elements of weather and climate □ Insolation-angle of incidence and distribution; heat budget of the earth-heating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature - factors controlling temperature; distribution of temperature - horizontal and vertical; inversion of temperature □ Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra-tropical cyclones □ Precipitation-evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution 	8
Unit V:	<p>Water (Oceans)</p> <ul style="list-style-type: none"> □ Movements of ocean water-waves, tides and currents; submarine reliefs □ Ocean resources and pollution 	4
Unit VI:	<p>Life on the Earth</p> <ul style="list-style-type: none"> □ Biosphere - importance of plants and other organisms; biodiversity and conservation. 	3
Part B:	India - Physical Environment	15 Marks
Unit III:	<p>Climate, Vegetation and Soil</p> <ul style="list-style-type: none"> • Weather and climate - spatial and temporal distribution of temperature, pressure winds and rainfall, Indian monsoon: mechanism, onset and withdrawal, variability of rainfalls: spatial and temporal; use of weather charts • Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves • Soils - major types (ICAR's classification) and their distribution, soil degradation and conservation 	15
Map work on identification/ interpolation of features based on the units on the outline Physical/Political map of the world/ India		5

Part C:	Practical Work	15 Marks
	CH6: Introduction to Aerial Photograph	
	CH7: Introduction to Remote Sensing.	
	CH8: Weather Instruments, Maps and Charts	

Prescribed Books:

1. Fundamentals of Physical Geography, Class XI, Published by NCERT
2. India, Physical Environment, Class XI, Published by NCERT
3. Practical Work in Geography, Class XI, Published by NCERT

Note: The above textbooks are also available in Hindi medium.

Geography
Code No. 029
Class XII (2021-22)
Term wise Syllabus

COURSE CONTENT TERM I

MARKS : 35
Weightage

Part A:	Fundamentals of Human Geography	15 Marks
Unit I:	Human Geography: Nature and Scope	3
Unit II:	People <ul style="list-style-type: none"> □ Population - distribution, density and growth □ Population change - spatial patterns and structure; determinants of population change □ Human development - concept; selected indicators, international comparisons 	7
Unit III:	Human Activities <ul style="list-style-type: none"> □ Primary activities - concept and changing trends; gathering, pastoral, mining, subsistence agriculture, modern agriculture; people engaged in agricultural and allied activities - some examples from selected countries 	5
Part B:	India: People and Economy	15 Marks
Unit I:	People <ul style="list-style-type: none"> □ Population: distribution, density and growth □ Migration: International and national-Types causes and consequences 	5
Unit II:	Human Settlements <ul style="list-style-type: none"> □ Rural settlements - types and distribution □ Urban settlements - types, distribution and functional classification 	5
Unit III:	Resources and Development <ul style="list-style-type: none"> □ Water resources - availability and utilization-irrigation, domestic, 	5

	industrial and other uses; scarcity of water and conservation methods-rain water harvesting and watershed management	
Map Work on identification of features based on 1-5 units on the outline Political map of World.		5
Part C:	Practical Work	15 Marks
Unit 1:	Processing of Data and Thematic Mapping Processing of Data and Thematic Mapping Type and Sources of data: Primary, Secondary and other sources Tabulating and processing of data; calculation of averages, measures of central tendency	

COURSE CONTENT TERM II

MARKS : 35
Weightage

Part A:	Fundamentals of Human Geography	15 Marks
Unit III:	Human Activities <ul style="list-style-type: none"> □ Secondary activities-concept; manufacturing: types - household, small scale, large scale; agro based and mineral based industries; people engaged in secondary activities - some examples from selected countries □ Tertiary activities-concept; trade, transport and tourism; services; people engaged in tertiary activities - some examples from selected countries □ Quaternary activities-concept; people engaged in quaternary activities - case study from selected countries 	9
Unit IV:	Transport and Communication <ul style="list-style-type: none"> □ Land transport - roads, railways; trans-continental railways □ Water transport - inland waterways; major ocean routes □ Air transport - Intercontinental air routes □ Oil and gas pipelines □ Satellite communication and cyberspace - importance and usage for geographical information; use of GPS 	6
Part B:	India: People and Economy	15 Marks
Unit III:	Resources and Development <ul style="list-style-type: none"> □ Mineral and energy resources - distribution of metallic (Iron ore, Copper, Bauxite, Manganese); non-metallic (Mica, Salt) minerals; conventional (Coal, Petroleum, Natural gas and Hydroelectricity) and non-conventional energy sources (solar, wind, biogas) and conservation □ Planning in India - target group area planning (case study); idea of sustainable development (case study) 	7
Unit IV:	Transport and Communication <ul style="list-style-type: none"> □ Transport and communication-roads, railways, waterways and airways: oil and gas pipelines; Geographical information and communication networks 	4
Unit V:	Geographical Perspective on selected issues and problems	4

	<ul style="list-style-type: none"> □ Environmental pollution; urban-waste disposal □ Urbanization, rural-urban migration; problems of slums □ Land degradation 	
Map work on locating and labelling of features based on above units on outline map of India.		5
Part C:	Practical Work	15 Marks
Unit 1:	Processing of Data and Thematic Mapping <ul style="list-style-type: none"> □ Representation of data- construction of diagrams: Lines, bars, circles and flowchart; thematic maps; construction of dot; choropleth and isopleth maps □ Data analysis and generation of diagrams, graphs and other visual diagrams using computers 	

Prescribed Books:

1. Fundamentals of Human Geography, Class XII, Published by NCERT
2. India - People and Economy, Class XII, Published by NCERT
3. Practical Work in Geography, Class XII, Published by NCERT

Note: The above textbooks are also available in Hindi medium.

Fundamentals of Human Geography
Class XII - Textbook I (NCERT)

Map Items for identification only on outline political map of the World.

Unit-1	Ch.-1	Nil	
Unit-2	Ch. 2 and 4	1	The largest country in each continent in terms of area
Unit-3	Ch. 5 to 8	1	Areas of subsistence gathering
	Primary Activities	2	Major areas of nomadic herding of the world
		3	Major areas of commercial livestock rearing
		4	Major areas of extensive commercial grain farming
		5	Major areas of mixed farming of the World
		6	Major areas of Mediterranean agriculture of the World
	Secondary Activities	1	Ruhr region, Silicon Valley, Appalachian region, Great lakes region
Unit - 4	Ch. 8	2	Transcontinental Railways: Terminal Stations of transcontinental railways – Trans Siberian, Trans Canadian, Trans Australian Railways
		3	Major Sea Ports: Europe: North Cape, London, Hamburg North America: Vancouver, San Francisco, New Orleans South America: Rio De Janeiro, Colon, Valparaiso Africa: Suez, Durban and Cape Town Asia: Yokohama, Shanghai, Hong Kong, Aden, Karachi, Kolkata Australia: Perth, Sydney, Melbourne
		4.	Inland Waterways: Suez Canal, Panama Canal, Rhine waterway and St. Lawrence Seaway
		5.	Major Airports: Asia: Tokyo, Beijing, Mumbai, Jedda, Aden Africa: Johannesburg & Nairobi Europe: Moscow, London, Paris, Berlin and Rome North America: Chicago, New Orleans, Mexico City South America: Buenos Aires, Santiago Australia: Darwin and Wellington

India - People and Economy
Class XII-Textbook II (NCERT)

Map Items for locating and labelling only on the outline political map of India

Units - 1 & 2	Ch. 1 to 4	<ul style="list-style-type: none">• State with highest level of urbanization and lowest level of urbanization• State with higher level of population density & one state with lowest level of population density• One out migrating state• One in migrating state• Any city with more than 10 million population – Greater Mumbai, Delhi, Kolkata, Chennai, Bengaluru
Unit - 3	Ch. 6 to 9	<p>Mines:</p> <ul style="list-style-type: none">• Iron-ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary• Manganese mines: Balaghat, Shimoga• Copper mines: Hazaribagh, Singhbhum, Khetri• Bauxite mines: Katni, Bilaspur and Koraput• Coal mines: Jharia, Bokaro, Raniganj, Neyveli• Oil Refineries: Mathura, Jamnagar, Baroni Industries
Unit - 9	Ch. 10	<p>Transport:</p> <p>(i) Important nodes on north south corridor, east west corridor & Golden Quadrilateral</p>
Unit-10	Ch.12	NIL