

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

**COURSE CONTENT TERM I**

**MARKS: 35**  
**Weightage**

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

## COURSE CONTENT TERM II

**MARKS : 35**

**Weightage**

<b>Part A:</b>	<b>Fundamentals of Physical Geography</b>	<b>15 Marks</b>
<b>Unit IV:</b>	<p><b>Climate</b></p> <ul style="list-style-type: none"> <li>□ Atmosphere- composition and structure; elements of weather and climate</li> <li>□ 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</li> <li>□ Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra-tropical cyclones</li> <li>□ Precipitation-evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution</li> </ul>	<b>8</b>
<b>Unit V:</b>	<p><b>Water (Oceans)</b></p> <ul style="list-style-type: none"> <li>□ Movements of ocean water-waves, tides and currents; submarine reliefs</li> <li>□ Ocean resources and pollution</li> </ul>	<b>4</b>
<b>Unit VI:</b>	<p><b>Life on the Earth</b></p> <ul style="list-style-type: none"> <li>□ Biosphere - importance of plants and other organisms; biodiversity and conservation.</li> </ul>	<b>3</b>
<b>Part B:</b>	<b>India - Physical Environment</b>	<b>15 Marks</b>
<b>Unit III:</b>	<p><b>Climate, Vegetation and Soil</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves</li> <li>• Soils - major types (ICAR's classification) and their distribution, soil degradation and conservation</li> </ul>	<b>15</b>
<b>Map work on identification/ interpolation of features based on the units on the outline Physical/Political map of the world/ India</b>		<b>5</b>

<b>Part C:</b>	<b>Practical Work</b>	<b>15 Marks</b>
	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**  
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**Class XII (2021-22)**  
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**COURSE CONTENT TERM I**

**MARKS : 35**  
**Weightage**

<b>Part A:</b>	<b>Fundamentals of Human Geography</b>	<b>15 Marks</b>
<b>Unit I:</b>	<b>Human Geography: Nature and Scope</b>	3
<b>Unit II:</b>	<b>People</b> <ul style="list-style-type: none"> <li>□ Population - distribution, density and growth</li> <li>□ Population change - spatial patterns and structure; determinants of population change</li> <li>□ Human development - concept; selected indicators, international comparisons</li> </ul>	7
<b>Unit III:</b>	<b>Human Activities</b> <ul style="list-style-type: none"> <li>□ 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</li> </ul>	5
<b>Part B:</b>	<b>India: People and Economy</b>	<b>15 Marks</b>
<b>Unit I:</b>	<b>People</b> <ul style="list-style-type: none"> <li>□ Population: distribution, density and growth</li> <li>□ Migration: International and national-Types causes and consequences</li> </ul>	5
<b>Unit II:</b>	<b>Human Settlements</b> <ul style="list-style-type: none"> <li>□ Rural settlements - types and distribution</li> <li>□ Urban settlements - types, distribution and functional classification</li> </ul>	5
<b>Unit III:</b>	<b>Resources and Development</b> <ul style="list-style-type: none"> <li>□ Water resources - availability and utilization-irrigation, domestic,</li> </ul>	5

	industrial and other uses; scarcity of water and conservation methods-rain water harvesting and watershed management	
<b>Map Work on identification of features based on 1-5 units on the outline Political map of World.</b>		<b>5</b>
<b>Part C:</b>	<b>Practical Work</b>	<b>15 Marks</b>
<b>Unit 1:</b>	<b>Processing of Data and Thematic Mapping</b> 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**

<b>Part A:</b>	<b>Fundamentals of Human Geography</b>	<b>15 Marks</b>
<b>Unit III:</b>	<b>Human Activities</b> <ul style="list-style-type: none"> <li>□ 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</li> <li>□ Tertiary activities-concept; trade, transport and tourism; services; people engaged in tertiary activities - some examples from selected countries</li> <li>□ Quaternary activities-concept; people engaged in quaternary activities - case study from selected countries</li> </ul>	9
<b>Unit IV:</b>	<b>Transport and Communication</b> <ul style="list-style-type: none"> <li>□ Land transport - roads, railways; trans-continental railways</li> <li>□ Water transport - inland waterways; major ocean routes</li> <li>□ Air transport - Intercontinental air routes</li> <li>□ Oil and gas pipelines</li> <li>□ Satellite communication and cyberspace - importance and usage for geographical information; use of GPS</li> </ul>	6
<b>Part B:</b>	<b>India: People and Economy</b>	<b>15 Marks</b>
<b>Unit III:</b>	<b>Resources and Development</b> <ul style="list-style-type: none"> <li>□ 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</li> <li>□ Planning in India - target group area planning (case study); idea of sustainable development (case study)</li> </ul>	7
<b>Unit IV:</b>	<b>Transport and Communication</b> <ul style="list-style-type: none"> <li>□ Transport and communication-roads, railways, waterways and airways: oil and gas pipelines; Geographical information and communication networks</li> </ul>	4
<b>Unit V:</b>	<b>Geographical Perspective on selected issues and problems</b>	4

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

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