

Geography

| Unit / Concept | Sub Unit / Concepts | Objectives | Method and Evaluation | Activities |
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| Chapter 1 India-Our Mother Land | 1. India: Location and its Environs, India in the World 2. Physiographic Divisions of India 3. Climate Seasons: Indian Monsoon and its features 4. Soil Resources: Meaning, Types, Distribution - Soil Erosion and Conservation 5. Forests: Types, Importance - Important WLS / National Parks, Biosphere Parks - Need for Conservation of Forests | <ul style="list-style-type: none"> - Understands the location extent and neighbors of India. - Know the physical divisions, their features and importance. - Understands the climate of India with its seasonal charges, influence of Monsoon on the country - Understands soil types, characteristics, distribution and conservation of soil. - Understands types, products of forests, distribution and conservation. | <ul style="list-style-type: none"> - Explain location in the world and its environs, frontiers with the help of map. - Appraisal of latitudinal and longitudinal extent, its neighbors and frontiers. - Divide India into major physical divisions and diverge their areas and importance by using physical map. - Assessment of physiographic divisions of India. - Discuss on type of climate, seasons, monsoon, its mechanism and influence with the help of charts and facts. - Appraisal of seasonal charges in climate and its effects. - Explain meaning, types, distribution, causes of soil erosion and conservation with the help of map and charts. - Appraisal of types of soil, distribution and importance. - Discuss the types, importance, distribution of forests, need for conservation, WLS, NP and Biosphere by using facts and maps. | <ul style="list-style-type: none"> - Draw outline map of India mark the name of states and capitals. - Draw a map to represent physiographic divisions. - Draw maps to show monsoon winds. - Prepare a map to show distribution of soil types. - Prepare a map to show types of forests and list out major WLS and NP. |

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| | <p>6. Water Resources: Major Rivers, Importance of Irrigation, Multipurpose River Valley Projects - Objectives: DVC, BNP, Hirakud, Tungabhadra Projects, Hydro-Electricity: Water Scarcity, Need for Conservation and Rain Water Harvesting</p> <p>7. Land Resources: Land Use Pattern, Agriculture: Importance, Types of Farming, Cropping Pattern, Crop Seasons, Major Crops: Food - Rice, Wheat, Commercial -Sugarcane, Tobacco, Fibre - Cotton, Beverage - Tea, Role of Horticulture and Floriculture in Agricultural Development</p> <p>8. Mineral Resources: Iron Ore, Manganese Ore, Bauxite, Mica, Gold, Power Resources: Conventional - Coal, Petroleum,</p> | <p>- Know the rivers system, water resources, need for irrigation, Hydel power water scarcity and conservation of water.</p> <p>- Know the land use pattern cropping pattern, crop seasons and major crops.</p> <p>- Understands the reserves production and distribution of major minerals and their conservation.</p> | <p>- Assessment of types, importance and distribution of forests.</p> <p>- Explain Source of water resources, rivers, irrigation, river valley projects development Hydel power, Rainwater harvesting with the help of maps, diagrams, facts and charts.</p> <p>- Appraisal of water resources, potentiality, utilization, scarcity and conservation.</p> <p>- Explain land utilization, Agriculture and its importance, types of farming, cropping pattern, season and crops by using maps and facts.</p> <p>- Appraisal of land resources - uses, types of agriculture, major crops etc.</p> <p>- Describe production and distribution of major minerals and energy resources, crisis and remedies with the help of facts and charts.</p> | <p>- Prepare a map to show river systems, river valley projects and hydel power stations.</p> <p>- Prepare pie diagram to show land use pattern and show the arena under crops is out line map of India.</p> <p>- Draw maps to show the distribution of minerals and energy resources.</p> |

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| | <p>Atomic Minerals, Non-Conventional-Solar Energy, Wind power: Energy Crisis and Remedies - Need for Non-Conventional energy Sources</p> <p>9. Transportation: Types and Importance, Golden Quadrilateral Road, Major Airports and Seaports</p> <p>10. Major Industrial Regions and Industries: Iron and Steel, Cotton, Sugar, Aluminium, Paper and Knowledge based Industries (IT, BT, AT)</p> <p>11. Communication: GIS, GPS and Remote Sensing</p> <p>12. Natural Disasters: Causes and Consequences of Cyclones,</p> | <ul style="list-style-type: none"> - Understand the modes of transport, golden quadrilateral, major Airports and Seaports. - Know the industries industrial regions, localization factors and some important industries. - Understands the need of GIS, GPS and Remote sensing. - Know the Natural disasters, causes and effects. | <ul style="list-style-type: none"> - Assessment of reserves, production, distribution, trade of major minerals, energy resource and importance. - Explain types and importance of transport, GQ ports and Airports. - Appraisal of modes of transport, CQ ports and Airports. - Appraisal of modes of transport, airports and sea ports of India. - Describe meaning, factors of location industrial regions, Iron and steel, cotton, sugar Aluminium, paper etc. - Appraisal of localization of industries, industrial regions and some selected industries. - Brief account communication on GIS, GPS and Remote sensing. - Assessment of communication with reference to GIS, GPS and Remote sensing. - Explain the causes and effect of disasters with instances. | <ul style="list-style-type: none"> - Draw maps to locate Airports and seaports. - Locate important producing centers of selected industries on outline maps. - Draw diagrams which are necessary. - Prepare diagrams, charts and maps to show the |

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| | <p>Flood, Landslides, Coastal Erosion and Earthquakes - Major regions</p> <p>13. Population: Growth, Distribution, Density and Migration</p> | <ul style="list-style-type: none"> - Understands demographic feature of our country. | <ul style="list-style-type: none"> - Appraisal of Natural effect of disasters with instances. - Explain the total population, trends in growth, distribution, density and immigration by using maps and graphs. - Assessment of population growth and problems. | <ul style="list-style-type: none"> natural towards areas etc. collect photographs of disasters. - Draw maps to show the distribution of population of population, graphs for density and growth. |