

HPD CURRICULUM

CLASS: XII

SUBJECT: GEOGRAPHY

TEACHER: Mrs Amritha C V

PART A: Fundamentals of Human Geography

CONTENT	OUTCOME	WAY OF IMPARTING VALUES	RESOURCES	EVALUATION
UNIT I CHAPTER 1: Human Geography - Nature And Scope	<ul style="list-style-type: none">• Understanding relationship between human and environment• Application of geographical knowledge to solve problems at local, regional, national and global level.	<ul style="list-style-type: none">• Ppt presentation on human interaction with environment,• sharing real life experiences	<ul style="list-style-type: none">• Slide presentation• NCERT text book	<ul style="list-style-type: none">• Why human geography is important branch of geography?• How does geographical knowledge will help to assess problems and providing solutions?

<p style="text-align: center;">UNIT II</p> <p>CHAPTER 2: The World Population Distribution, Density and Growth</p> <p>CHAPTER 3: Human Development</p>	<ul style="list-style-type: none"> • Humanistic behaviour-awareness about rights and duties • Welfare approach • Sustainable use of resources • Quality of life-its understanding and real life application • Gender equality 	<ul style="list-style-type: none"> • Discussion about unequal distribution of resources • Population controlling measures need and importance 	<ul style="list-style-type: none"> • Slide presentation including graph, chart, and pictures Video on population related problems NCERT text book • 	<ul style="list-style-type: none"> • Debate and discussion • What are the plans and programmes for quality of life by Government in India? • Have you ever faced gender inequality? • Suggest measures to tackle it
<p style="text-align: center;">UNIT III</p> <p>CHAPTER 4: Primary Activities</p> <p>CHAPTER 5. Secondary Activities</p> <p>CHAPTER 6. Tertiary and Quaternary Activities</p> <p>CHAPTER 7. Transport and Communication</p>	<ul style="list-style-type: none"> • Integration of geography and economy Understanding of distribution of economic activities • Various modes of transport and their significance in economy Modern age communication • technology Role of WTO in • International trade Knowledge about dumping 	<ul style="list-style-type: none"> • Interactive session • Lecture method • Debate and discussion 	<ul style="list-style-type: none"> • NCERT Textbook • Smart board • Newspaper • Maps 	<ul style="list-style-type: none"> • Analyze the connection between physical landscape and development of various modes of transport • Mark and label the terminal stations of TransSiberian Railway, Trans Canadian Railway and Trans Australia Railway on

<p>1. Population: Distribution Density, Growth and Composition</p>	<ul style="list-style-type: none"> • Understanding relationship between human and environment in Indian Context • To correlate population distribution and density with the physiography of India. • To familiarize students with the demographic attributes of India 	<ul style="list-style-type: none"> • Lecture method • Interactive session • Debate, • Discussion on population related issues 	<ul style="list-style-type: none"> • Published articles • Newspaper for current issues • NCERT textbook • Slide presentation 	<ul style="list-style-type: none"> • Learner may be asked to refer to an Atlas to correlate relief map of India and map of population distribution and density and write their observation • Prepare a dot map showing the distribution of India's Population. • Compare the growth rate of population of different states between 1991-2001 and 2001- 2011.
<p>2. Human Settlements</p>	<ul style="list-style-type: none"> • To understand how the form and size of settlement of any region reflects human relationship with the environment 	<ul style="list-style-type: none"> • PPT presentation • Lecture method • Interactive session 	<ul style="list-style-type: none"> • Slides presentation • Smart class • NCERT textbook • Maps 	<ul style="list-style-type: none"> • prepare a line graph to show the growth of urban population in India since 1901. • mark and label the million plus cities of

	<ul style="list-style-type: none"> • Differentiate between rural and urban settlement. • Describe the factors that govern the types of rural settlement in India. 	<ul style="list-style-type: none"> • Problem solving method 		all the states on a political map of India.
3. Land Resources and Agriculture	<ul style="list-style-type: none"> • To familiarise with the land-use categories as maintained in the land revenue records. • To analyse the changes in land use pattern registered in India due to change in shares of primary, secondary and tertiary sectors in GDP. 	<ul style="list-style-type: none"> • • Smart class • Problem solving method • Interactive session • Discussion • MCQs 	<ul style="list-style-type: none"> • NCERT textbook • • Smart class • Maps • Newspaper articles 	<ul style="list-style-type: none"> • Discuss the importance of common property resources for the community • Compare dryland and Wetland farming and evaluate its importance • Discuss the challenges faced by the Indian farmers and suggest measures to overcome them.

4. Water Resources	<ul style="list-style-type: none"> • Evaluate the scope to use rainwater harvesting techniques to conserve precious water resources. • interrelationship between physical and human environment and 	<ul style="list-style-type: none"> • • Case studies Interactive • teaching • Lecture Video inputs 	<ul style="list-style-type: none"> • NCERT text book • Articles on different case studies • Smart board • Slide presentation 	<ul style="list-style-type: none"> • Evaluates the water demand and supply in India. • Discuss the reasons for water scarcity in the country. • Discuss water resources in India, its geographical distribution
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	<p>their impact from local to global</p> <ul style="list-style-type: none"> • Recognize various emerging water problems and analyse the causes for deterioration of quality of water 			
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5. Mineral and energy resources	<ul style="list-style-type: none"> To know about distribution of various minerals in the world. To understand and realize the importance of minerals in human life. To create an awareness about nature of different minerals and how to sustain them for the future. 	<ul style="list-style-type: none"> Reading newspaper and finding the environmental impact of mining Slides presentation on case studies Poster making Discussion Interactive sessions Map skills 	<ul style="list-style-type: none"> NCERT Textbooks Case studies related articles Smart board 	<ul style="list-style-type: none"> Describe the major mineral belts of India and mark them on an outline map of India. Describe different types of nonconventional mineral resources Analyse why the renewable energy resources will be the future source of resources. Suggest measures to conserve our nonrenewable resources.
6. Planning and sustainable development in Indian Context	To understand the need for centralised planning (sectoral planning and regional planning) to accelerate uniform economic development	<ul style="list-style-type: none"> Case Study Based learning Comparative study 	<ul style="list-style-type: none"> Newspaper articles Planning reports NCERT textbook 	<ul style="list-style-type: none"> Critically evaluates the need for, aims of, and impacts of irrigation on Indira Gandhi Canal (Nahar) Command Area
	over space as well the role of NITI Aayog.	<ul style="list-style-type: none"> Integrated learning 		

		<ul style="list-style-type: none"> • Discussion 		
7. Transport and communication	To evaluate the impact of transport and communication networks on the development of our nation	<ul style="list-style-type: none"> • MCQs • Discussion <p>Lecture and interactive session</p>	<ul style="list-style-type: none"> • PPT presentation • Smart board • NCERT textbook 	<ul style="list-style-type: none"> • Draw a flow chart to show the means of transportation. • Collect information on Metro rail of India and discuss in the classroom • Prepare a concept map showing different means of transportation, its advantages and disadvantages. • Collect information on Bharatmala and Setubharatam
8. International Trade	To familiarise students about the changes that have taken place in India's international trade in terms of volume, composition, and direction.	<ul style="list-style-type: none"> • Discussion <p>Current affairs related to trade and commerce</p> <p>Lecture method</p>	<ul style="list-style-type: none"> • NCERT textbook • Newspaper • Maps 	<ul style="list-style-type: none"> • Mark and label the major sea ports and airports on an outline map of India • Make a list of India's major trading partners and identify these countries on a world map

<p>9. Geographical Perspective on selected issues</p>	<p>To explain the causes and consequences of different types of pollution in India and suggest the measures to control it</p>	<ul style="list-style-type: none"> • Case study discussion • Purposive interview method and collection of information • Concept mapping 	<ul style="list-style-type: none"> • Articles on related topics • Newspaper collage Slide presentation • NCERT textbook 	<ul style="list-style-type: none"> • Identify the most polluted stretch of river Ganga and river Yamuna on an outline map. • Discuss the problems related to urban waste disposal and suggest measures to convert waste into wealth
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CLASS: XI

SUBJECT: GEOGRAPHY

TEACHER: Mrs Amritha C V

Part A: **Fundamentals of Physical Geography**

CONTENT	OUTCOME	WAYS OF IMPARTING VALUES	RESOURCES	EVALUATION
1 Geography as a Discipline	<ul style="list-style-type: none">• Explain the meaning geography as an integrating discipline.• State the fields of geography and its relation with other disciplines.• Explain the approaches to study geography	<ul style="list-style-type: none">• Project Work• Interactive Session	<ul style="list-style-type: none">• NCERT Text book• Slide presentation	<ul style="list-style-type: none">• Observe your surroundings and note down the variation in natural as well as cultural phenomena
2 The Origin and Evolution of the Earth	Describe the Big Bang, Planetesimal theory, Nebular Hypothesis related to the origin of the universe.	<ul style="list-style-type: none">• Video Tutorials• Interactive session• Lecture method	<ul style="list-style-type: none">• YouTube videos• Textbooks and reference books	

<p>3 Interior of the Earth</p>	<ul style="list-style-type: none"> • Discuss Earthquakes—its causes and effects, define: Epicentre, Hypocentre, 	<ul style="list-style-type: none"> • Case study • Activity based learning 	<ul style="list-style-type: none"> • News paper • Maps • Diagrams and pictorial representation 	<ul style="list-style-type: none"> • Describe direct and indirect sources of information about the interior of the earth.
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	<p>Earthquake waves and its propagation, Shadow zones, Measuring the intensity of earthquakes. Explain the interior structure of the earth.</p> <p>Explain</p> <ul style="list-style-type: none"> • Volcanoes, its types and volcanic • landforms 			<ul style="list-style-type: none"> • List out the recent earthquakes and their intensity and location
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<p>4 Distribution of seas and oceans</p>	<ul style="list-style-type: none"> To understand the present configuration of continents and oceans through plate tectonics theory Trace the movements of Indian Plate. 	<ul style="list-style-type: none"> LECTURE METHOD MAP SKILL CASE STUDY 	<ul style="list-style-type: none"> NCERT TEXT BOOK MAP-WORLD SMART CLASS MAGAZINES 	<ul style="list-style-type: none"> On the outline world map mark and label the following: a. Major plate boundaries b. Ring of fire c. Hot spot Volcanoes Draw diagrams to show different types of plate boundaries.
<p>5 Geomorphic Processes</p>	<ul style="list-style-type: none"> Differentiate between geomorphic processes and 	<ul style="list-style-type: none"> INTERACTIVE METHOD FLIPPED CLASSROOM 	<ul style="list-style-type: none"> NCERT TEXTBOOK SMART CLASS BOARD AND CHALK 	<p>Prepare a concept map to show different Exogenic and Endogenic Processes</p>
	<p>geomorphic agents.</p> <ul style="list-style-type: none"> Describe factors that affect soil formation. Define the following terms: Exfoliation, Denudation, Weathering etc 	<ul style="list-style-type: none"> DEMONSTRATION CONCEPT MAPPING 		

6 Landforms and their Evolution	To understand the nature of different erosional and depositional agents and landforms made by them	<ul style="list-style-type: none"> • TEXTBOOK ASSIGNMENTS • LECTURE 	<ul style="list-style-type: none"> • NCERT TEXT BOOK • SMART CLASS • VIDEO LINKS 	<ul style="list-style-type: none"> • Describe and draw various erosional and depositional landforms created by different agents. • Locate different landforms (mountains, plateaus, plains) on the outline map of the world.
7 Composition and Structure of Atmosphere	<ul style="list-style-type: none"> • To understand the composition and structure atmosphere. • Correlate climate change with Sustainable Development 	<ul style="list-style-type: none"> • Video input • Lecture and interactive session 	<ul style="list-style-type: none"> • NCERT TEXT BOOK • SMART CLASS • VIDEO LINKS 	Draw a neat and well labelled diagram to show different layers of the atmosphere and write the importance of each layer
	Goals13: Climate Action			

<p>8 Solar Radiation, Heat Balance, and Temperature</p>	<p>To understand the heating and cooling of the atmosphere and the resultant temperature distribution over the surface of the earth</p>	<ul style="list-style-type: none"> • Diagram representation • Lecture method 	<ul style="list-style-type: none"> • • NCERT textbook • Board and chalk Smart class 	<ul style="list-style-type: none"> • Give reasons for variability of insolation at the surface of the earth. • Explain the heat budget of the planet earth. • Describe factors controlling temperature distribution.
<p>9 Atmospheric Circulation and Weather Systems</p>	<ul style="list-style-type: none"> • To understand the general atmospheric circulation and the forces that control the circulation • To know the causes and consequences of air circulation 	<ul style="list-style-type: none"> • Live video reference • Lecture method 	<ul style="list-style-type: none"> • NCERT textbook • Smart class 	<ul style="list-style-type: none"> • Debate and discussion -how global warming is result of atmospheric pollution and how it can be minimised if not prevented.
<p>10 Water in the Atmosphere</p>	<p>To understand continuous exchange of water between the atmosphere, the oceans, and the continents through the processes of evaporation, transpiration,</p>	<ul style="list-style-type: none"> • Diagrams presentation • Class lecture • Textbook discussion 	<ul style="list-style-type: none"> • NCERT textbook/reference books Smart class 	<ul style="list-style-type: none"> • Draw diagrams of different types of rainfall. • On a world map mark and label areas of heavy, moderate, low

	condensation, and precipitation			and inadequate rainfall.
11 World Climate and Climate Change	To Describe various types of climates and their groups/ subtypes	<ul style="list-style-type: none"> • Case study discussion • Class lecture • Discussion 	<ul style="list-style-type: none"> • NCERT textbook/reference books • Smart class • Newspaper/magazines 	<ul style="list-style-type: none"> • Classify climate based on various schemes by Koeppen with the help of a mind map. • Describes the causes and effects of global warming • Evaluate the climate changes in the recent past.

12 Water (Oceans)	<ul style="list-style-type: none"> • To Illustrate major and minor ocean floor features. (midoceanic ridges, seamounts, submarine canyons, guyots, and atolls) • To describe horizontal and vertical distribution of oceanic temperature. 	<ul style="list-style-type: none"> • lecture based learning • Integrated method 	<ul style="list-style-type: none"> • • Textbook • Smart class Diagrams/videos inputs 	<ul style="list-style-type: none"> • Explain the process of heating and cooling of oceanic water and factors that affect temperature • Impact of global warming
13 Movements of Ocean Water	To define and differentiate between tides and currents, concept of sea waves	<ul style="list-style-type: none"> • • Classroom lecture • Textbook discussion Map skills 	<ul style="list-style-type: none"> • • Textbook Smart class 	Mark and label the major warm and cold currents on an outline world map

14 Biodiversity and Conservation	<ul style="list-style-type: none"> To explain the three major realms of the environment. To explain the concept of ecology. To analyse the features and types of aquatic ecosystems and biomes, with examples. 	<ul style="list-style-type: none"> Project activity Lecture based learning Discussion 	<ul style="list-style-type: none"> Textbook Smart class Video inputs Articles related to topics 	To compare and contrast the features of five major biomes of the world – forest, grassland, desert, aquatic, and altitudinal.
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PART B: India Physical Environment

• CONTENT	OUTCOME	WAYS OF IMPARTING VALUES	RESOURCES	EVALUATION
1 India- Location	To understand the geographical location of India and its significance	<ul style="list-style-type: none"> Classroom discussion Textbook discussion Map skills for location 	<ul style="list-style-type: none"> NCERT Textbook Maps-India 	<ul style="list-style-type: none"> Analyse the implications of living in a country with vast longitudinal and latitudinal extent and its impact on

				<p>the standard time of India.</p> <ul style="list-style-type: none"> • Explain the vastness of India and the diversity that comes along with it.
2 Structure and Physiography	<ul style="list-style-type: none"> • To understand the evolution of different geological structures in India. • To acquire knowledge about physiographic divisions and their subdivisions. 	<ul style="list-style-type: none"> • Observation based learning • Map skills • Lecture method 	<ul style="list-style-type: none"> • Maps-physical map of India • NCERT text book • Reference books 	<p>India the major physical ; on the map of</p>
3 Drainage System	<ul style="list-style-type: none"> • To understand the drainage system and drainage patterns of Indian rivers. • To understand the extent of use ability of river water and the problems associated with it. 	<ul style="list-style-type: none"> • • Group discussion • Case studies Classroom • lecture method Map skill 	<ul style="list-style-type: none"> • • Magazines/newspaper • Textbook maps 	<ul style="list-style-type: none"> • Analyse the causes of river water pollution making of collage • Differentiate between Himalayan and Peninsular rivers.

4 Climate	<ul style="list-style-type: none"> To understand Indian monsoon: and its mechanism. 	<ul style="list-style-type: none"> Map skills Lecture Textbook discussion 	<ul style="list-style-type: none"> Magazines/newspaper Textbook maps 	Discuss the factors affecting climate of the country and its effect on country's economic life
	<ul style="list-style-type: none"> To list the weather conditions that prevail during different seasons. To analyse the variation in distribution of rainfall in India 	<ul style="list-style-type: none"> Concept mapping 		
5 Natural Vegetation	To understand the relationship between vegetation belts and the climate.	<ul style="list-style-type: none"> debating on positive and negative impact of human activities on forest cover and wildlife map skills discussion 	<ul style="list-style-type: none"> text book/reference books video inputs smart class 	<ul style="list-style-type: none"> To mark all major types of forests on a map of India. Class can be divided into groups to collect information about people's (common man) participation in the conservation of forests and wildlife

<p>6 Natural Hazards and Disasters</p>	<p>To be aware of natural hazards and disasters happening in various parts of the country, their impact, and ways to mitigate the damage caused by them</p>	<ul style="list-style-type: none"> • Group based assignment • Discussion Collaborative • learning Project work 	<ul style="list-style-type: none"> • • NCERT text book • Smart class Newspaper articles 	<ul style="list-style-type: none"> • Integrate the role of physiography in natural hazards • Elaborate the concept of disaster management
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