

## Curriculum planner for Class XI Geography

2018-19

### RATIONALE

Geography is introduced as an elective subject at the senior secondary stage. After ten years of general education, students branch out at the beginning of this stage and are exposed to the rigors of the discipline for the first time. Being an entry point for the higher education, students choose Geography for pursuing their academic interest and, therefore, need a broader and deeper understanding of the subject. For others, geographical knowledge is useful in daily lives because it is a valuable medium for the education of young people. Its contribution lies in the content, cognitive processes, skills and values that Geography promotes and thus helps the students explore, understand and evaluate the environmental and social dimensions of the world in a better manner.

Unit	<b>Part-A :</b> <b>Fundamentals of Physical Geography</b>	Periods (87)	Marks (35)
1	Geography as a discipline	04	30
2	The Earth	11	
3	Landforms	20	
4	Climate	30	
5	Water (Oceans)	10	
6	Life on Earth	7	
	Map and Diagram	5	5
	<b>Part B :</b> <b>India Physical Environment</b>	78	35
7	Introduction	04	30
8	Physiography	28	
9	Climate, vegetation and soil	28	
10	Hazards and Disasters: causes, consequences and management	14	
	Map Of India	04	5
	<b>PART C:</b> <b>Practical Work</b>		30
1	Fundamentals of Maps	20	10
2	Topographic and weather maps	30	15
3	Practical record book and viva		5

Month	Unit	Number of Periods	
<b>April</b>	Part A : Fundamentals of physical geography Unit 1: Geography as a discipline	10	
Learning objective Topics	<ul style="list-style-type: none"> <li>* To understand about the meaning of geography</li> <li>* Categorize geography</li> <li>* Study of geography under different sciences</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>* Geography as an integrating discipline, as a science of spatial attributes.</li> <li>* Branches of geography, physical geography and human geography</li> <li>* Scope and career options</li> </ul>		
<b>May</b>	Unit 2: The Earth Unit 3: Landforms	26	
Learning objectives	<ul style="list-style-type: none"> <li>* To understand about the formation of universe</li> <li>* To understand about different landforms</li> <li>* To learn endogenic and exogenic forces</li> </ul>		
Topics	<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> <li>• Rocks: major types of rocks and their characteristics</li> <li>• Geomorphic processes: Weathering, mass wasting, erosion and deposition, soil formation</li> <li>• Landforms and their evolution( erosional and depositional features)</li> </ul>		
Reference book	JPH Geography		
<b>July</b>	Unit 4: Climate	25	

Learning Objective	To develop understanding among students about factors affecting supply and producer behaviour.		
Topics	<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> <li>• Climate and global concerns.</li> </ul>		
<b>August</b>	Unit-5 Water(Oceans) PART-C (PRACTICAL WORK) Unit-1 Fundamental of maps	22	
Learning Objectives	<ul style="list-style-type: none"> <li>* To understand about water resources</li> <li>* To explain circulation of water in oceans</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>• Basics of Oceanography</li> <li>• Ocean- distribution of water and salinity</li> <li>• Movement of ocean water- waves, tides and currents; submarine reliefs.</li> <li>• Ocean resources and pollution.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Geo spatial data, concept of geographical data matrix, point, line, area data.</li> <li>• Maps-types; scale types; construction of simple linear scale, measuring distance, finding directions and use of symbols</li> <li>• Map projection- Latitude, longitude and time, typology, construction and properties of projection: conical with one standard parallel and Mercator's projection. ( only two projections)</li> </ul>		
Reference book	JPH Geography		

<b>August</b>	Unit-6 Life on the Earth	23	
Learning Objective	<ul style="list-style-type: none"> <li>* To enable students about the origin of life on Earth</li> <li>* To understand about ecosystem</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>* Biosphere- importance of plants and other organisms</li> <li>* bio diversity and conservation</li> <li>* ecosystem</li> <li>* ecological balance</li> </ul>		
Reference book	JPH Geography		
<b>September</b>	Revision and First Term Examination.	8	
Reference book	JPH Geography		
<b>October</b>	PART-B INDIA- PHYSICAL ENVIRONMENT  Unit-7 Introduction Unit 8 Physiography	15	
Learning Objective	<ul style="list-style-type: none"> <li>* To develop the importance of India's physiographic division</li> <li>* To learn about physical features of India</li> </ul>		
Topics	Unit 7 <ul style="list-style-type: none"> <li>• Location</li> <li>• Space relations</li> <li>• India's place in the world</li> </ul> Unit 8 <ul style="list-style-type: none"> <li>• Structure and relief: physiographic divisions</li> <li>• Drainage system</li> <li>• Concept of river basins</li> <li>• Watershed</li> <li>• The Himalayan and the peninsular rivers</li> </ul>		
Reference book	JPH Geography		
<b>November</b>	Unit 9 Climate, vegetation and soil	22	

Learning Objective	<ul style="list-style-type: none"> <li>* To help students understand the causes of appreciation and depreciation of foreign currency.</li> <li>* To understand various components of Balance of Payments account.</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>* Weather and climate-spatial and temporal distribution of temperature</li> <li>* Pressure winds and rainfall</li> <li>* Indian monsoon: mechanism, onset and withdrawal</li> <li>* Variability of rainfalls: spatial and temporal</li> <li>* Use of weather charts</li> <li>* Natural vegetation- forests types and distribution</li> <li>* Wildlife conservation</li> <li>* Biosphere reserves</li> <li>* Soil major types and their distribution</li> <li>* Soil degradation and conservation</li> </ul>		
Reference book	JPH Geography		
<b>December</b>	PART –C Unit 2- Topographic and weather maps	21	
Learning Objective	<ul style="list-style-type: none"> <li>* To enable students understand the pattern of questions and paper for board.</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>* Study of topographic maps (1:50,000 or 1:25,000 survey of India maps) contour cross section and identification of landforms- slopes, hills, valley, waterfall, cliffs, distribution of settlements.</li> <li>* Aerial photographs: Types and Geometry- vertical aerial photographs; difference between maps and aerial photographs; photo scale determination. Identification of physical and cultural features.</li> <li>* Satellite imageries, stages in remote sensing data- acquisition, platform and sensors and data products( photographic and digital)</li> <li>* Use of weather instruments: thermometer, wet and dry bulb thermometer. Barometer, wind vane, rain gauge.</li> </ul>		
Reference book	JPH Geography		
January	Unit-10 Hazards and disasters: causes, consequences and	16	

	management		
Learning Objective	<ul style="list-style-type: none"> <li>• To learn about disasters</li> <li>• To understand about the causes of disaster</li> </ul>		
Topics	<ul style="list-style-type: none"> <li>• Floods, cloudbursts</li> <li>• Drought types and impact</li> <li>• Earthquakes and Tsunami</li> <li>• Cyclones: features and impact</li> <li>• Landslides</li> </ul>		
Reference book	JPH Geography		
February	Revision	11	

DAVPS, SECTOR-49, GURUGRAM