

**Class XI-C Geography 2023-2024**  
**BIFURCATION OF SYLLABUS - REVISED**

**FPG - Fundamentals of Physical Geography**  
**IPE - India-Physical Environment**  
**Pract. - Practical Work -I**

**July**

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	12	FPG	<b>Chapter 1:</b> Geography as an integrating discipline, as a science of spatial attributes, Branches of Geography: Physical Geography and Human Geography, Importance of Physical Geography	Assignment	Knowing the Universe, Visual Representations of various theories
16-31	12	FPG & Pract	<b>Chapter 2:</b> Origin and Evolution of Earth - early and modern theories, formation of planets and stars, Development of Lithosphere, Evolution of atmosphere and hydrosphere. <b>Chapter 3:</b> Interior of Earth - Sources of information, Earthquakes, Structure of Earth, Volcanoes: causes, types and effects.	Class Test	Eathquake related activities, Visuals of types of Volcanic eruptions

**Unit Test- 1: Syllabus: - FPG - L-1, 2 & 3**

**August**

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	11	FPG	<b>Chapter 4:</b> Distribution of Oceans and Continents - Wegener's Continental drift theory, Sea floor spreading, Plate Tectonics. <b>Chapter 5:</b> Geomorphic Processes - Endogenic & Exogenic Processes & Weathering, Effects and significance of weathering, Mass Wasting, Erosion and Deposition, Soil formation.	Assignment	Representation of plate tectonics through diagrams and simulations.
16-31	13	FPG & Pract	<b>Chapter 6:</b> Landforms and Evolution - Brief erosional and depositional features of Running water, Groundwater. Glaciers, Sea waves and Winds. <b>Practical Work: Chapter 1:</b> Introduction to Maps. <b>Chapter 2:</b> Map Scale. <b>Chapter: 3</b> Longitudes and Latitudes <b>Chapter 4:</b> Map Projection- construction and properties of projection: Conical with one standard parallel and Mercator's projection. (only two projections)	<b>Practicals</b>	Construction of Map Scale, Long & Lat, Measuring time from Longitude and sunrays..

**September**

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	11	FPG	<b>Chapter 7:</b> Atmosphere composition and structure; elements of weather and climate. <b>Chapter 8:</b> Solar Radiation - Solar Radiation-Insolation-angle of incidence and distribution; heat budget of the earthheating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature- factors controlling temperature; distribution of temperature-horizontal and vertical; inversion of temperature.	Assignment	Understanding Heat Budget
16-30	12		<b>Term-I Examinations</b>		

**Term-I Syllabus: - FPG - Chapters: 1, 2, 3, 4, 5, 6, 7 & 8 / Practicals - Chapters: 1 to 4**

**October**

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	4+6=10	FPG & Pract	<b>Chapter 9:</b> Atmospheric circulation and weather systems - Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra tropical cyclones.	Assignment	Case study of Cyclones

16-31	9	FPG	<b>Chapter 10:</b> Water in the atmosphere-Precipitation, evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution <b>Chapter 11:</b> World Climate and Global warming (To be tested through internal assessments in the form of project and presentation) <b>Chapter 12:</b> Water (Oceans) -Basics of Oceanography, Oceans - distribution of temperature and salinity.	Assignment	Identifying different types of clouds Map Activities
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### November

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	9	FPG	<b>Chapter 13:</b> Movements of ocean water - Sea waves, Tides. Ocean currents. <b>Chapter 14:</b> Biodiversity and Conservation -(To be tested through internal assessments in the form of project and presentation)	MCQs	Identifying biogeochemical cycles around us
16-30	12	IPE	<b>Chapter 1:</b> India: Location, space relations, India's place in the worldLocation & Size. <b>Chapter 2:</b> Structure and Physiography - Geological divisions.	Class Test	Virtual tours of physiographic divisions through virtual globes - Google Earth

### Unit Test - 2: -Syllabus: - FPG - L-13, 14, 16

### December

Dates	Working days	Book	Examination	Mode of Assessment	Activity
1-15	12	IPE	<b>Chapter 3:</b> Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers. <b>Chapter 4:</b> Weather and climate - spatial and temporal distribution of temperature, Indian monsoon: mechanism, onset and withdrawal.	Class Tests	Drainage identification through virtual globe, Correlating climate & natural vegetation
16-31	13	Pract	<b>Practical: Chapter 5:</b> Topographical maps. <b>Chapter 6:</b> Aerial Photographs <b>Chapter 7:</b> Introduction to remote sensing <b>Chapter 8:</b> Weather Instruments	<b>Practicals</b>	Hands-on activities- GIS software

### January

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	NIL		<b>Winter Break</b>		
16-31	13	IPE & DM	<b>Chapter 5:</b> Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves. <b>Chapter 6: Hazards and Disasters:</b> (To be tested through internal assessments in the form of project and presentation)	Activity sheets	Earthquake activities

### February

Dates	Working days	Book	Topic and Sub topics	Mode of Assessment	Activity
1-15	12		Revision for annual Exam	Revision sheets	Revision
16-28	12		Annual Examination		

**Annual Exam Theory Syllabus: FPG: 1 to 10, 12 & 13. IPE: 1 to 5. Practical Syllabus: 1 to 6.**

Map Items for locating and labelling on outline political World Map

### Fundamentals of Physical Geography

<input type="checkbox"/> Political Map of all Continents of the world. <input type="checkbox"/> Major Oceans of the world: Indian Ocean, Pacific Ocean, Atlantic Ocean, Arctic Ocean, Southern Ocean <input type="checkbox"/> Major lithospheric plates and Minor lithospheric plates, Ring of fire (Pacific Ocean), Mid-Atlantic Ridge.
Major Hot Deserts of the world: <input type="checkbox"/> Mojave Desert- Nevada, US <input type="checkbox"/> Patagonian Desert- Argentina <input type="checkbox"/> Sahara- Africa <input type="checkbox"/> Gobi Desert- Mongolia, Asia <input type="checkbox"/> Thar desert- India <input type="checkbox"/> Great Victoria desert- Australia
Major Seas <input type="checkbox"/> Black sea <input type="checkbox"/> Baltic sea <input type="checkbox"/> Caspian Sea <input type="checkbox"/> Mediterranean Sea <input type="checkbox"/> North Sea <input type="checkbox"/> Red sea <input type="checkbox"/> Bay of Fundy (Canada)
OCEAN CURRENTS-Cold currents <input type="checkbox"/> Humboldt c. <input type="checkbox"/> California c. <input type="checkbox"/> Falkland c. <input type="checkbox"/> Canaries c. <input type="checkbox"/> West Australian c. <input type="checkbox"/> Oyashio c. <input type="checkbox"/> Labrador c. Warm currents <input type="checkbox"/> Alaska c. <input type="checkbox"/> Brazilian c. <input type="checkbox"/> Aughlas c. <input type="checkbox"/> Kuroshio c. <input type="checkbox"/> Gulf stream c
Ecological hotspots <input type="checkbox"/> Eastern Himalaya, India Western ghats, India <input type="checkbox"/> Indonesia, Asia <input type="checkbox"/> Eastern Madagascar, Africa <input type="checkbox"/> Upper Guinean forests, Africa <input type="checkbox"/> Atlantic forest, Brazil <input type="checkbox"/> Tropical Andes

### India Physical Environment

Latitudinal extent of India <input type="checkbox"/> Longitudinal extent of India <input type="checkbox"/> Standard Meridian of India <input type="checkbox"/> Important latitude passing through India (Tropic of Cancer) <input type="checkbox"/> Southern Most Point of main land of India (Kanya Kumari)
<input type="checkbox"/> Mountains: Karakoram Range, Garo- Khasi- Jaintia hills, Aravalli Range, Vindhyan Range, Satpura Range, Western ghats & Eastern ghats <input type="checkbox"/> Peaks: K2, Kanchenjunga, Nandadevi, Nanga Parvat, Namcha Barwa and Anaimud <input type="checkbox"/> Passes: Shipkila, Nathula, Palghat, Bhore ghat and Thal ghat <input type="checkbox"/> Plateaus: Malwa, Chhotanagpur, Meghalaya and Deccan Plateau. <input type="checkbox"/> Coastal Plains: Saurashtra, Konkan, North and South Kanara, Malabar, Coromandel and Northern Circars <input type="checkbox"/> Islands: Andaman & Nicobar Islands and Lakshadweep Islands
Rivers: Brahmaputra, Indus, Satluj, Ganga, Yamuna, Chambal, Damodar Mahanadi, Krishna, Kaveri, Godavari, Narmada, Tapi and Luni <input type="checkbox"/> Lakes: (Identification)Wular, Sambhar, Chilika, Kolleru, Pulicat & Vembanad <input type="checkbox"/> Straits, Bays, Gulfs: Palk Strait, Rann of Kachch, Gulf of Kachch, Gulf of Mannar & Gulf of Khambat
Area with highest temperature in India <input type="checkbox"/> Area with lowest temperature in India <input type="checkbox"/> Area with highest rainfall in India <input type="checkbox"/> Area with lowest rainfall in India
(Identification on an outline map of India) Tropical evergreen, Tropical deciduous, Tropical thorn, Montane and Littoral/Swamp forests. Wildlife reserves: (locating and labeling) <input type="checkbox"/> National Parks: Corbett, Kaziranga, Ranthambore. Shimpur, Simlipal <input type="checkbox"/> Bird Sanctuaries: Keoladev Ghana and Ranganathittho <input type="checkbox"/> Wild life Sanctuaries: Periyar, Rajaji, Mudumalai, Dachigam,