

## **FUNDAMENTALS OF PHYSICAL GEOGRAPHY (GE-101N)**

### **BLOCK-1 FUNDAMENTAL CONCEPTS OF LITHOSPHERE**

UNIT: 1 Nature & Scope of Physical Geography

UNIT: 2 Origin of the Earth, Earth Interior, Isostasy

UNIT: 3 Epirogenetic, Orogenetics, Volcanism, Seismicity

UNIT: 4 Weathering, Erosion, & Associated Landforms

### **BLOCK-2 ATMOSPHERE**

UNIT: 5 Composition and Structure of Atmosphere

UNIT: 6 Insolation & Heat Budget, Vertical & Horizontal Distribution of Temperature

UNIT: 7 Atmospheric Pressure, Winds, Humidity & Rainfall

UNIT: 8 Climate & Its Classification- Koppen & Thornthwait

### **BLOCK-3 HYDROSPHERE**

UNIT: 9 Surface Configuration of Ocean Bottoms

UNIT: 10 Oceanic-Temperature & Salinity

UNIT: 11 Circulation of Ocean Water, Currents & Tides

UNIT: 12 Ocean Deposits & Corals Reefs

### **BLOCK-4 BIOSPHERE**

UNIT: 13 Elements of Biosphere, Habitat & Plant- Animal Association

UNIT: 14 Ecology & Ecosystem

UNIT: 15 Bio-Diversity & Its Depletion

UNIT: 16 Conservation of Biotic Resources

## **BASIC CARTOGRAPHY TECHNIQUES (LAB/PRACTICAL)**

### **BLOCK-1 SCALE AND MAPS**

UNIT: 1 SCALE: Plain, Comparative and Diagonal Scale

UNIT: 2 ELEMENTS and Types of Maps

UNIT: 3 Enlargement and Reduction of Maps

### **BLOCK-2 REPRESENTATION OF PHYSICAL DATA**

UNIT: 4 Methods of Showing Relief

UNIT: 5 Representation of Relief Features by Contours

UNIT: 6 Topographical Maps of India

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UNIT: 7 INTERPRETATION of Toposheets