

PAPER-I: PHYSICAL GEOLOGY

Time: 3 hrs

MM 50

UNIT-1

Earth as a member of the Solar system. Origin and age of the Earth. Physical parameters of the Earth. Internal constitution of the Earth. Concept of lithosphere. Isostasy.

UNIT-II

Surface features of the Earth. Distribution of land and ocean and peculiarities. Coral reefs. Distribution and causes of earthquakes. Seismic waves as indicator of the Earth's interior. Volcanoes: causes, distribution and types.

UNIT-III

Weathering and erosion. Geological work of wind, groundwater, rivers, ocean, and glacier.

UNIT-IV

Major tectonic features of the Earth: Mountain belts, shields, island arcs, trenches, mid-oceanic ridges, and ocean basins.

UNIT-V

Concept of Plate Tectonics. Evolution of Himalayas and Indo-Gangetic Plain.