

M. A. (Previous) Examination, 2001

GEOGRAPHY

Paper-I

Advanced Physical Geography

Time: 3 Hours]

[Maximum Marks: 100

Attempt **four** questions in all,
Selecting at least **two** questions from each section.
All questions carry equal marks.

SECTION-A

1. Examine the seismological evidences regarding the structure and composition of crust, mantle and core of the earth's interior.
2. Distinguishing between Weathering, Erosion and Masswasting, explain the various types of Masswasting.
3. Discussing the Stream Orders propounded by R.A. Horton and A.N. Strahler explain the Bifurcation Ratio and the Stream Numbers associated with it.
4. Illustrate the erosional landforms associated with a Glacial Topography.

SECTION-B

5. Discussing the Tri-cell Model of the Atmospheric Circulation, mention the chief characteristics of Jet Streams.
6. Classify the Air Masses on the basis of their source region and the subsequent modification in them after their departure from the Source Regions.
7. Provide an account of the salient relief features of the Indian Ocean Floor with special reference to the Mid-oceanic ridges and the basins.

8. Write notes on any **two** of the following:
- (i) Lapse Rates of Temperature in Atmosphere
 - (ii) Weather Associated with a Temperate Cyclone
 - (iii) Forms of Condensation.