

POST-GRADUATE COURSE
Term End Examination — June, 2017

GEOGRAPHY

Paper – I A

(Geotectonics & Geomorphology)

Time : 2 Hours

Full Marks : 50

(Weightage of Marks : 80%)

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

Answer any *three* questions from Section A selecting at least *one* from each Unit.

Question No. 7 in Section B is compulsory.

10 × 3 = 30

Section – A

Unit – I

(Geotectonics)

1. What is Monistic Hypothesis ? Critically examine Nebular Hypothesis of La Place regarding the origin of the universe and the earth.
2. Bring out the ways in which Plate Tectonic theory has explained the process of mountain building.
3. Elucidate the views of Airy on Isostasy. How does Isostatic adjustment take place due to glaciation and deglaciation on the continents.

Unit – II

(Geomorphology)

4. Describe the slope evolution theory of L.C. King and Wood.
5. What is meant by non-cyclic concept in landscape evolution ? Explain the theory of 'Dynamic Equilibrium' as per J. T. Hack.
6. Describe the background of the development of Applied Geomorphology. What is the need of this study in the present day ?

Section – B

7. Write short notes on any *five* of the following : 4 × 5 = 20
 - a) Destructive Plate Margin
 - b) Mesa and Caesta
 - c) Haldenhang
 - d) Dyke and Sill
 - e) Interfluve
 - f) 'Pahoehoe' and 'Pillow lava'
 - g) Nick point
 - h) Slope retreat
 - i) Natural hazards
 - j) Gradation of profile.