

POST-GRADUATE COURSE

Term End Examination — December, 2014/June, 2015

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.

Section – A

Unit – I

(Geotectonics)

1. Describe the way in which the modern theories of the origin of the earth differ from the orthodox concept. Discuss the Nebular Hypothesis of Laplace. 3 + 7
2. Examine the mechanism of plate movement in the earth's crust. How does the Plate Tectonic theory explain the process of mountain building ? 4 + 6
3. On what observations the theory of Isostasy based ? Examine the view of Pratt on this concept. 3 + 7

Unit – II

(Geomorphology)

4. What are the major aspects of Applied Geomorphology ? Compare the concept of W.Penck with that of W.M. Davis on geomorphic cycle. 3 + 7
5. Examine the non-cyclic concept in landscape evolution. Elucidate the term 'time independent'. 7 + 3
6. Describe the process of slope evolution in arid environment as identified by L.C.King. What is Bajada ? 8 + 2

Section – B

7. Write short notes on any *five* of the following : 4 × 5 = 20
 - a) Destructive plate margin
 - b) Steilwand
 - c) Mesa
 - d) Sill
 - e) Phaccolith
 - f) Slope element
 - g) Gradation of slope
 - h) Monadnock
 - i) Geosyncline
 - j) Magma chamber.