

M.A. Semester-I Examination, 2014

Geography

Paper - I

(Geomorphology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer *three* questions, selecting *one* from each Unit.

Unit - I

(Concepts, Approaches and Models in Geomorphology)

1. What do you understand by Dynamic Geomorphology? Elucidate the major issues and themes of environmental Geomorphology. Describe the major application areas of Geomorphological knowledge. 3+5+6=14
2. Discuss in brief the concepts of slope segments and slope elements. Compare and contrast the models of slope development as proposed by W. Penck and L.C. King. 4+10=14

Unit - II

(Geomorphic Processes and Forms)

3. State the importance of climate in morphological processes. Discuss the characteristics of the climato-morphological zones of the world. 5+8=13
4. What are the major landforming processes of the humid region? Discuss the changing channel form in response to the processes of that region. 3+10=13

Unit - III

(Basin Morphometry and Regional Geomorphology)

5. Explain the term 'Geomorphological Mapping'. Briefly discuss the types and contents of Geomorphological maps. Prepare a standard classification of Geomorphic Units for the landforms of Denudational origin. 2+7+4=13
 6. Why is a drainage basin considered to be the best unit for geomorphic investigation? Discuss in details the major components of basin hydrology. 5+8=13
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