

**PAPER: PRINCIPLES OF GEOMORPHOLOGY( PAPER – V )**

**Semester:** V / VII

**Duration:** 2 Hours

**Max. Marks:** 70

**Instructions:**

- All questions are compulsory having internal choice.
- Figures to the right indicate maximum marks allotted.
- Write question number and sub-question number properly.
- Draw neat sketches and diagrams wherever necessary.

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**Q. 1** Answer **any three** of the following in around 100 words each. ( 3 x 5 = 15)

- I) Account for the evidences in support of 'Continental Drift Theory'.
- II) Briefly discuss the major continents in the world with their significance.
- III) What is applied Geomorphology? Discuss the major areas of applied Geomorphology?
- IV) Explain the Penks cycles of erosion with suitable diagram.
- V) Discuss the causes and effects of earthquakes.

**Q. 2** Answer **any three** of the following questions. ( 3 x 5 = 15)

- 1) Briefly explain the depositional landforms in hot desert region.
- 2) Discuss the types of volcano with suitable diagrams.
- 3) What is weathering? Explain the physical weathering using diagrams.
- 4) Describe the use of applied Geomorphology in urban planning
- 5) Explain the interior of the earth with suitable diagram.

**P.T.O.**

**Q. 3 A)** Systematically explain the cycles of erosion by W.M.Devis (1 x 10 = 10)

**OR**

**X)** Account for the different erosional and depositional landforms in the glacier region. (1 x 10 = 10)

**Q. 4 A)** Discuss in detail the explanation of 'Plate Tectonic Theory'. (1 x 10 = 10)

**OR**

**X)** Explain in detail the earths movements with suitable diagram. (1 x 10 = 10)

**Q.5 A)** Evaluate the Pratt and Airys view on 'Isostatic Equilibrium' with suitable diagrams (1 x 10 = 10)

**OR**

**X)** Describe the Geomorphic landscape developed in the coastal region using diagrams. (1 x 10 = 10)

**Q. 6** Write **any two** short notes. (2 x 5 = 10)

- 1) Types of rocks and its economic significance
- 2) Mass wasting
- 3) Chemical and Biological weathering
- 4) Geomorphic applications in transportation development

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