

## OPSC STUDY: Geography Optional (UPSC & OPSC)

### Optional Test Series: **Test 1 (Geomorphology)**

**Syllabus:** *Origin of the earth, Physical conditions of the earth's interior; continental drift; isostasy; plate tectonics; mountain building; volcanism and earthquakes; weathering and erosion, Concepts of geomorphic cycles (Davis and Penck), Landforms associated with fluvial, arid, glacial, coastal and karst region, Polycyclic landforms.*

**Candidates Should attempt Question No: 1 (compulsory) and attempt two questions out of three. (Q. No: 2, 3& 4)**

1. Mark the location of any Ten of the following on the Map of World or Map of India. Also write in your answer script the most significant aspect of each of them in not more than 20 words: (6 x 10 = 60 marks)
  - a) Dead Sea
  - b) Death Valley
  - c) Mt Elbrus
  - d) K<sub>2</sub>
  - e) Gobi Desert
  - f) Great Dividing Range
  - g) Toronto
  - h) Alaska
  - i) Jalandhar
  - j) Zawar
  - k) Kandla
  - l) Kudremukh
2. Explain "Plate Tectonic Theory". Give a detailed account of Indian Plate movement and Himalaya formation. (60 marks)
3. Write an essay on geomorphic cycles with reference to the theories explained by Davis and Penck. Discuss cycle of erosion by fluvial process (rivers) and landforms associated. (60 marks)
4. Discuss Big Bang Theory on earth' origin. Also elaborate the formation of Earth's Atmosphere. (60 marks)