

2015

GEOGRAPHY

[Honours]

PAPER — I (New)

Full Marks : 90

Time : 4 hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

[NEW SYLLABUS]

GROUP — A

[Long Answer Type Questions]

Answer any **five** questions **one** from each Unit

within 500 words :

10 × 5

UNIT – I

1. Divide geological time scale into units of varying magnitudes with names, examples and duration. Discuss major geological events occurred in Mesozoic era. 6 + 4

Or

Discuss the internal structure of the earth with special reference to seismology. 10

UNIT – II

2. Critically discuss the mechanism and directions of continental drift as proposed by Wegner. 10

Or

Explain the mechanism of developing Tsunami wave. Suggest proper management in reduction of Tsunami hazard. 5 + 5

UNIT – III

3. Critically discuss the evolution of landform in a folded structure with illustration. 10

Or

Discuss the causes and mechanism of mass movement according to Schumm and Charley. 10

UNIT – IV

4. Elucidate aeolian cycle of erosion. 10

Or

Describe the landforms associated with coastal submergence with suitable diagrams. 10

UNIT – V

5. Explain the implications of the 'Global Hydrological Cycle' in brief. 10

Or

Discuss the role of varying gravitation of the moon and sun on tide. Mention the different types of tides. 7 + 3

GROUP – B

[Semi-Long Answer Type Questions]

Answer any **five** questions selecting **one** from
each Unit within 250 words : 4×5

UNIT – I

6. Classify sedimentary rocks in to broad groups.

Or

Critically discuss the theory of Isostasy
after Pratt.

UNIT – II

7. Distinguish between Weathering and Erosion.

Or

Describe the major process of mechanical
weathering on hill slope in cold climatic
region.

UNIT – III

8. Explain the formation of inversion of topography.

Or

Explain the principle of dynamic equilibrium.

UNIT – IV

9. Compare between the processes active on a steep slope and a gentle slope coast.

Or

Compare between alluvial fan and delta.

UNIT – V

10. What are the measures to be taken for improving groundwater sustainability ?

Or

What do you mean by runoff cycle ?

GROUP – C

[Long Answer Type Questions]

Answer **ten** questions each within 50 words : 2 × 10

11. What is level of compensation ?
12. Distinguish between 'Era' and 'Epoch'.
13. Define reverse fault.
14. What is alluvial cone ?
15. Define Chelation
16. Distinguish between Rapids and cascades.
17. What is regolith ?
18. What is patterned-ground ?
19. What is seismic gap ?
20. What do you mean by biosphere.
21. What are the basic principles of Eco-system.

22. Domestication is a main method of wildlife conservation – Justify the statement.
 23. Distinguish between 'dip slope' and 'antidip slope' with illustration.
 24. Salinity in ocean water is 35% – Explain it.
 25. Define piezometric level.
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