DECEMBER 2022 **P/ID 4432/PGE1B**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. List out the first order relief features.

2. Define the term "Cordillera".

3. What are the characteristic of the Earth's Mantle?

4. Bring out the gases which initially formed the Earth's atmosphere.

5. Why are Earthquakes generally more destructive than the Volcanoes?

6. What do you meant by "Sea Floor Spreading"?

7. How will you differentiate the Zonal and Azonal Soils?

8. Write about the major characteristics of an Arid region.

9. What is the difference between nearshore and foreshore?

10. What are Moraines?

11. What are the basics of Hazard analysis?

12. How will you assess the Land Quality?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions in 250 words each.

13. Brief about the different Theories of Mountain Building.

14. Explain the Pediplanation Cycle concept of L.C.King.

15. Write an account on theories associated with evoluation of the Earth.

16. What are degraded soils? How will you manage the Saline / Alkaline Soils?

17. What are Landslides? Explain the causes and effects of Landslides.

18. Write an account on the landforms created by the Glacier in the youthful stage.

19. How will you analyse the earthquake Hazard Vulnerability Zonation?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Critically examine the geomorphic concept of W.Penck differ from the concept of W.M.Davis.

21. Evaluate the classes and causes of mass wasting and its control measures.

22. What does weathering mean? Explain various types of weathering process.

23. Diagramatically explain the erosional and depositional Karst Landforms.

24. Write a detailed account on application of geomorphology in Water Resources Management.

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