DECEMBER 2024 **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. What does "Peneplain" mean?

2. What is a Block Mountain?

3. What are the characteristics of the Earth's inner Core?

4. What is meant by the process of differentiation?

5. What are the three types of convergent boundaries?

6. Which is the fastest type of mass wasting process?

7. What causes Earthquakes?

8. Write a short note on "Isostacy."

9. What does "Intra Zonal Soil" mean?

10. What is a Karst Region?

11. How do you perform a Risk Assessment?

12. What is Land Evaluation?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions in 250 words each.

13. Write in brief on different Theories of Mountain Building.

14. Explain the nature and scope of applied geomorphology.

15. Write a short note on concepts and principles of Isostasy,.

16. Examine the structure, process and time in Weathering process.

17. Write about the erosional Landforms of Glacial process.

18. Diagramatically explain the depositional Landforms of a Coastal region.

19. Examine the application of geo-informatics in geomorphological mapping and modelling.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in 500 words each.

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

21. Analyse the impacts of Climatic and Tectonic changes on people and environment.

22. Write a detailed account on Soil formation, classification and conservation practices.

23. Discuss in detail the various landforms created by the Fluvial process in different stages.

24. Write a detailed account on geomorphological applications in agricultural Management.

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