MAY 2022 **P/ID 4431/PGE1A**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. Write a short note on Visual thinking.

2. What are thematic maps?

3. Define UPS.

4. What is meant by geodesy?

5. What is a topographical sheet?

6. What are hachures?

7. What is meant by graticule?

8. Explain datum and its types.

9. Give a Difference between tangent and secant projection.

10. What are the uses of surveying?

11. What is meant by nominal scale?

12. Explain the importance of coordinates.

PART B — (5 × 6 = 30 marks)

Write short notes on any FIVE questions, in 250 words each.

13. What are the four steps of cartographic generalization?

14. Explain cadastral map and its uses.

15. What is meant by sampling? Explain any one of them.

16. What is map scale? Explain different types of scales.

17. Explain the significance of Visual variables in map making.

18. Map design is an integral part in cartography -Justify.

19. Examine the role of digital cartography in mapping science.

PART C — (3 × 10 = 30 marks)

Write an Essay on any THREE questions in about 500 words each.

20. Give a detailed account on the dark age in the history of cartography.

21. Explain in detail about the difference between traditional and automated survey methods.

22. Write an essay on the characteristics of the Universal Transverse Mercator (UTM) system.

23. Give a detailed account on Qualities and Quantities symbols with examples.

24. Discuss the major elements of map design.

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