MAY 2023 **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. What is the importance of theodolite?

2. Give a definition for map projection.

3. Differentiate between hue, value and saturation

4. What is meant by hill shading?

5. Describe the importance of inset maps.

6. Explain the term navigation chart.

7. What is meant by datum?

8. Write a short note on topographical survey

9. What is meant by atlas cartography?

10. Explain the term data compilation.

11. What are the limitations of traditional cartography?

12. Define map layout.

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. What is meant by thematic map? Explain any one of them.

14. Explain merits and demerits of any one of the projection.

15. Explain the significance of typography in a map.

16. Describe the differences between plane surveying and geodetic surveying.

17. Bring out the major divisions of cartography.

18. Write an essay on map construction and production.

19. Give an account on quantitative area symbolization with example.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Cartography is a science of communication – substantiate.

21. Analyse the steps involved in cartographic generalization.

22. Discuss merit and demerits of isopleth techniques with suitable example.

23. Brief about the types of coordinate system, its application and uses.

24. Discuss different role of state mapping organizations in cadastral mapping.
