MAY 2022 **P/ID 4434/PGEE1**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN question in 50 words each.

1. Write any two objectives of watershed management.

2. Write any two functions of a watershed.

3. Define hydrological soil grouping.

4. Write any four structural methods in flood management.

5. Write any two basic principles of National Watershed Policy of India 2012.

6. Define point-source pollution.

7. How property rights will help women to be involved in watershed management?

8. What does integrated watershed management mean?

9. What is ground water legislation?

10. What is watershed modeling?

11. Write any two functions of state-level nodal agency in watershed management.

12. What are the uses of water quality analysis?

PART B — (5 × 6 = 30 marks)

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

13. Write a brief account on watershed delineation and codification.

14. Explain the role of soil moisture in watershed management.

15. Write a detailed note on watershed characteristics.

16. Explain the factors affecting surface water pollution.

17. Why watershed prioritization is essential for soil and water conservation measures?

18. Examine the need for a participatory rural appraisal in watershed management.

19. Explain the merits and demerits of linking of rivers in India.

PART C — (3 × 10 = 30 marks)

Write an essay on any THREE questions in 500 words each.

20. Write an account on the application of remote sensing and GIS in watershed management.

21. Elaborate the role of women in watershed management activities.

22. Explain the different types of drought and drought management practices.

23. Discuss the watershed laws and implementation issues in India.

24. Write a detailed account on rainwater harvesting system and its process.

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