MAY 2022 **P/ID 4433/PGE1C**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. Define Jet Streams.
2. Write a short note on troposphere.
3. What is season?
4. List out the various types of air masses.
5. Give a note on fronts.
6. What are the features of Urban climate?
7. Mention the main characteristics of waves.
8. What is infiltration? Why is it important?
9. Write a short note on atoll.
10. Explain Trenches.
11. Brief on spring tides.
12. How are oceanic deeps formed?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Explain the composition of atmosphere.

14. What are the factors affecting solar radiation? Explain.

15. Explain the concept of condensation with diagram.

16. What are the factors affecting atmospheric pressure?

17. Write an essay on continental shelf and islands of Atlantic Ocean.

18. Describe different types of ocean resources.

19. What are the various factors that affect the coral reefs?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Write a detailed account on horizontal distribution of pressure and its zones.

21. Examine the role of weather elements on the control of weather and climate.

22. Explain the various types of clouds.

23. What are the relief features of Indian Ocean? Explain one of them in detail.

24. Discuss the various Coastal hazards and their impacts on Coastal ecosystem.

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