MAY 2025 **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. State the role of argon gas in the atmosphere?
2. Define Black body.
3. What are different winds and pressure belts?
4. What do you mean by cirrostratus effect?
5. Write the role of water vapor in the atmosphere?
6. What do you mean by Macro climate?
7. What are the causes in Global warming?
8. Brief on Wind chill.
9. Define Ocean circulation.
10. What is Linear fracture zones?
11. Give a note on polar cell with illustration.
12. Define Sea floor Sedimentation.

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Write about equatorial low pressure?

14. Write a note on polar region?

15. Compare the koppen and Thornthwaite climatic classifications

16. What are linear fracture zones? Explain

17. What are the relationship between salinity and temperature?

18. Explain the Equator current?

19. How do human impact on ocean positively?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Write an essay on Heat Balance of Earth surface in details.

21. What are the cause and consequences of Anti – cyclones? Discuss.

22. Analyze the Global warming and its impact on human in details.

23. Write a detailed account on bottom relief of Pacific Ocean.

24. Discuss Marine deposits in details.

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