**DECEMBER 2024** **U/ID 31641/UEH5A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions each in 30 words

1. What is Greenhouse effect?
2. Define Adaptation.
3. Brief on El Nino.
4. Give a note on Types of Cyclones.
5. Define Normal Lapse Rate.
6. What are Agro Climatic Zones?
7. Write a note on Heat Island.
8. What is Relative Humidity?
9. Brief on Tropical Cyclones.
10. Write a short note on Global Warming.
11. Write about Atmospheric pressure.
12. Give a note on Coastal Climate.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions each in 200 words

13. Discuss the horizontal distribution of pressure over the earth.

14. Define front and classify air fronts and describe frontal Zones of the world.

15. How troposphere influence climatic conditions? Explain.

16. How will you differentiate Climatology from Meteorology?

17. Explain about the pressure belts.

18. Mention the main characteristics of mesosphere.

19. Discuss about the impacts of Climate change on fauna.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions each in 500 words

20. Describe in detail the structure of the atmosphere.

21. Elaborately explain about national action plan on climate change.

22. What are the various types of wind and explain each one in detail?

23. Explain in detail about insolation and temperature and the factors associated.

24. Write a detailed account of nature and scope of climatology.

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