(Pages : 2) **K – 4851**

Reg. No. : .....

Name : .....

Third Semester M.Sc. Degree Examination, February 2021

Environmental Sciences

ES 233 – ENVIRONMENTAL METEOROLOGY AND CLIMATE CHANGE

(2018 Admission Onwards)

Time : 3 Hours Max. Marks : 75

I. Write short note on **any ten** of the following :

1. Nimbo stratus.
2. Environmental Lapse rate.
3. Green house effect.
4. Relative humidity.
5. Photo chemical smog.
6. Aerosols.
7. NAPCC.
8. Albedo.
9. Insolation.
10. Sun angle.
11. Micro meteorology.
12. Occluded front.

(10 × 2 = 20 Marks)

P.T.O.

II. Answer **any five** of the following:

13. Write a note on causes and consequences of global warming.

14. Briefly explain laws of thermodynamics.

15. Explain the formation of PAN.

16. Elaborate on IPCC.

17. Write a note on Latitudinal and seasonal variation of insolation.

18. Explain El-Nino and La- Nina.

19. Write a note on types of precipitation.

(5 × 5 = 25 Marks)

III. Answer **any three** of the following

20. Write an essay on atmospheric thermodynamics.

21. Explain the impact of climate change on agriculture, forest and water resources.

22. Write an essay on monsoons of India.

23. Write an essay on the effects of meteorological factors on air pollution.

(3 × 10 = 30 Marks)

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