

24P348

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PGEL3E01A - CLIMATOLOGY

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any **four** questions. Each question carries 2 weightage.

1. Define Leap year.
2. Describe Primary winds.
3. Explain ideal conditions for temperature inversion.
4. Describe factors affecting humidity.
5. Define condensation.
6. Define Tornadoes.
7. Describe characteristics of temperate cyclone.

(4 × 2 = 8 Weightage)

Part-B

Answer any **four** questions. Each question carries 3 weightage.

8. Describe Prime meridian and Equator in the globe.
9. Describe Gradient force and frictional force affecting wind movement.
10. Describe types of jet streams.
11. Describe Cold front and Warm front.
12. Explain Stratocumulus and Nimbostratus clouds.
13. Discuss the difference between Industrial and photochemical smog.
14. Explain cyclones of Bay of Bengal.

(4 × 3 = 12 Weightage)

Part-C

Answer any **two** questions. Each question carries 5 weightage.

15. Explain the temperature distribution on Earth insolation.

16. Describe Thornthwaite's classification.
17. Explain atmospheric lapse rates and stability.
18. Explain the formation and structure of tropical cyclones.

(2 × 5 = 10 Weightage)
