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(Pages: 2)

Name: .....

Reg.No: .....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P GEL3 E01a - CLIMATOLOGY**

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**

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

1. Explain Standard Time.
2. Describe geostrophic wind.
3. Explain how jet streams affect weather?
4. Define dew point.
5. Define Cirrostratus clouds.
6. Define Industrial smog.
7. Describe formation of tropical cyclone.

**(4×2 = 8 Weightage)**

**Part-B**

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

8. Discuss Rotation Revolution and Obliquity.
9. Describe formation of anticyclones.
10. Explain frontal inversion and its effects.
11. Explain Pettersen classification of Air mass based on source region.
12. Define Occluded and Stationary front.
13. Explain Convictional precipitation with neat sketches.
14. Explain the characteristics of Extratropical cyclones.

**(4×3 = 12 Weightage)**

**Part-C**

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

15. Discuss Global warming.
16. Explain Koppen's classification.
17. Explain atmospheric lapse rates and stability.
18. Discuss cyclones in Arabian Sea and Bay of Bengal.

**(2 × 5 = 10 Weightage)**

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