

16P352

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, OCTOBER 2017

(CUCSS - PG)

CC15P GEL3 E02 – CLIMATOLOGY

(Applied Geology)

(2016 – Admission Regular)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions. Each question carries 1 Weightage.

1. Rossby waves
2. Doldrums
3. Long wave radiation
4. Cirrus
5. Dew point
6. Equinox
7. Hadley Cell
8. Trade winds
9. Jet Streams
10. Tropopause
11. ITCZ
12. Coriolis force
13. Stratocumulus
14. LaNino

(14x1 = 14 weightage)

II. Answer any *seven* questions. Each question carries 2 Weightage.

15. Structure of atmosphere
16. Tropical cyclones
17. ENSO
18. Insolation and heat budget
19. Western disturbances
20. Holocene Sea Level changes
21. Temperate climate zones
22. Orography control on monsoon
23. High level clouds

24. Distinguish weather and climate

(7x2 = 14 weightage)

III. Answer any *two* questions. Each question carries 4 Weightage.

25. Write an essay on Global warming and their natural and anthropogenic causes.

or

26. Describe Koppens and Thornthwaites classification of climate.

27. Describe general circulation of the atmosphere and their ocean counterpart.

or

28. Write an essay on Indian monsoon system and its mechanism.

(2x4 = 8 weightage)
