

17P365

(Pages: 2)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15P GEL3 E02 - CLIMATOLOGY

(Applied Geology)

(2016 Admission onwards)

Time : Three Hours

Maximum : 36 Weightage

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

1. Trade wind.
2. Sea level changes.
3. Equinoxes.
4. Factors controlling the distribution of insolation.
5. Breezes.
6. Aurora.
7. Montreal protocol.
8. Effects of ozone depletion.
9. Drylines.
10. Tornado.
11. Weather and climate.
12. Acid rain.
13. El-Nino.
14. Cyclones.

(14 x 1= 14 Weightage)

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

15. Factors that reduce the solar radiation in atmosphere.
16. Eustatic sea level changes.
17. Air mass thunderstorms.
18. Structure of wind patterns.
19. Palaeo climate indicators.
20. Koppen's classification of climate and its advantages.
21. Weather systems of India.
22. Jet streams.
23. Bergeron-Findeisen theory.
24. Forms of precipitation.

(7 x 2 = 14 Weightage)

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

25. Write an essay on the structure of the atmosphere with neat sketches.

Or

26. Give an account of the classification of different clouds.

27. Write an essay on the various anthropogenic factors which control climatic conditions of a region

Or

28. Discuss in detail about the coupled ocean atmosphere system.

(2 x 4 = 8 Weightage)
