

18P328

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P ES3 E16 - ECOSYSTEMS AND GLOBAL CLIMATE CHANGE

(Environmental Science)

(2015 Admission onwards)

Time : Three Hours

Maximum : 36 Weightage

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

1. Comment on stratosphere.
2. Which are the molecules supposed to be present in the primitive Earth?
3. Write an account on the composition of Earth's core.
4. List out any two freshwater ecosystems.
5. What is meant by microclimate?
6. Elucidate carbon foot print.
7. Name any two ozone depleting gases.
8. List any two major sources of greenhouse gases.
9. What is carbon trading?
10. Comment on acid rain.
11. Mention any two health impacts of UV rays.
12. Differentiate between aphotic and euphotic zones.
13. Write notes on El Nino.
14. Point out two consequences of global warming.

(14 x 1 = 14 Weightage)

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

15. Describe the different layers of atmosphere.
16. Explain Indian monsoon.
17. Illustrate temperature inversion.
18. Comment on the human impacts of climate change.
19. Explain the role of oceans as carbon sinks.
20. Explain the major global wind movements.
21. Write role of temperature increase in extinction.
22. Explain geological time scale.

23. Write notes on the depletion of Indian glaciers.
24. Explain the major hypotheses about origin of the Earth.

(7 x 2 = 14 Weightage)

III. Write an essay on any *two* of the following. Each question carries 4 weightage.

25. Explain the International Conventions Conference on climate change.
26. Write notes on climate change and explain the impacts of climate change.
27. Write an essay on climatic classification and atmospheric movements in global and regional scale.
28. Explain the different clean technologies to protect the Earth's equilibrium.

(2 x 4 = 8 Weightage)
