

Reg. No

Name

19P4008

MSc DEGREE END SEMESTER EXAMINATION- MARCH/APRIL 2019

SEMESTER 4 : ZOOLOGY

COURSE : 16P4ZOOT13EL : ENVIRONMENTAL SCIENCE - CONCEPTS AND APPROACHES

(For Regular - 2017 Admission and Supplementary - 2016 Admission)

Time : Three Hours

Max. Marks: 75

Section A

Answer any 8 (2 marks each)

1. Differentiate between *percolation* and *leaching*
2. Distinguish between lentic and lotic systems
3. Mention components of climate system
4. Describe the role of temperature on global patterns of precipitation
5. Mention the seasons experienced in India.
6. Comment on the causes of water logging
7. Define *salinisation*
8. Comment on 'Non-Consumptive Use Value' of biodiversity
9. Write a note on Berger-Parker Index of biodiversity
10. What is CRZ?
11. List out the major terrestrial biomes
12. Comment on 'natural enemy release hypothesis' for invasion success

(2 x 8 = 16)

Section B

Answer any 7 (5 marks each)

13. How faults are formed in rocks?
14. Discuss how light and temperature can influence aquatic ecosystems
15. Discuss the effects of climate change on ecosystems
16. Give an account of desertification
17. Discuss the second system of classification of the values of biodiversity
18. Comment on mobile links
19. Discuss the importance of ecological restoration
20. Write notes on Forest Conservation Act, 1980
21. Write notes on cave biomes
22. Discuss the impacts of exotics on biodiversity

(5 x 7 = 35)

Section C

Answer any 2 (12 marks each)

23. Essay on diversity and types of aquatic systems
24. Write an essay on the factors that change the temperature and precipitation patterns over a geographic region
25. Give an account of the wildlife distribution in India
26. Write an essay on diversity indices

(12 x 2 = 24)