

C 21105

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2017

(CUCBCSS—UG)

Botany

BOT 6B 12—ENVIRONMENTAL SCIENCE

Time : Three Hours

Maximum : 80 Marks

Section A

Answer all questions.

Each question carries 1 mark.

1. Sunderbanes is famous for.
2. Acid rain is due to.
3. In which year water (prevention and control of pollution) is formulated.
4. What are the bird sanctuaries in Kerala.
5. Define Aerosol.
6. What are ecological indicators.
7. Define ecological niche.
8. What is the main objective of Kyoto Protocol ?
9. In which state of India one-horned rhinoceros is present ?
10. Name the disease caused by the pollutant Mercury.

(10 × 1 = 10 marks)

Section B

Answer all questions.

Each question carries 2 marks.

11. Name any *four* endemic plants seen in Kerala.
12. Write a note on Pneumatophores.
13. Define *ex situ* conservation.
14. Write a note on biodiversity hot spot.
15. Define ecological succession.
16. Describe BOD.
17. Describe species-area-curve method.

Turn over

18. Distinguish between hydrophytes and xerophytes.
19. Explain shola forests in Kerala.
20. Describe CBD.

(10 × 2 = 20 marks)

Section C

*Answer any six questions.
Each question carries 5 marks.*

21. Describe various ex-situ conservation methods.
22. Describe the effect of water pollution.
23. Write a note on values of biodiversity.
24. Describe thermal pollution.
25. Comment on biogeochemical cycles with one example.
26. Write a note on estuarine ecosystem.
27. Comment on Prevention and Control of Pollution Act.
28. Write a brief note on the magnitude of biodiversity loss.

(6 × 5 = 30 marks)

Section D

*Answer any two questions.
Each question carries 10 marks.*

29. What are the major threats of biodiversity in Kerala ?
30. Write an account on various kinds of air pollutants. Describe Air (prevention and control of pollution) Act.
31. Write an essay on the ecological techniques for plant community studies.

(2 × 10 = 20 marks)