

**D 40073**

(Pages : 2)

Name.....

Reg. No.....

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH/APRIL 2018**

(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. Biomagnification.
2. Define flagship species.
3. Describe BOD.
4. Expand NBPGR.
5. Define green house effect.
6. What is ecological Niche ?
7. Define el-nino.
8. What is phytograph ?
9. What is Red-data Book ?
10. Name any *two* exotic species found in Kerala.

(10 × 1 = 10 marks)

**Section B**

*Answer all questions.  
Each question carries 2 marks.*

11. Write a note on UNEP.
12. Write a note on acid rain.
13. Define *in situ* conservation.
14. Write a note on biodiversity loss.
15. Write a note on the botanic gardens in Kerala.
16. Describe food chain.
17. Write a note on ecological pyramids.

**Turn over**

18. Distinguish between hydrophytes and xerophytes.
19. Write a note on Vivipary ?
20. Distinguish between parasites and epiphytes.

(10 × 2 = 20 marks)

### Section C

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

21. Describe the effect of Air pollution.
22. Describe various adaptations in epiphytes.
23. Write a note on values of bio-diversity.
24. Describe noise pollution.
25. Make a comment on nutrient cycles with one example.
26. Write a note on mangrove ecosystem.
27. Describe the role of plants in an ecosystem.
28. Write a brief note on national parks in India.

(6 × 5 = 30 marks)

### Section D

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

29. Write an essay on the ecological techniques for plant community studies.
30. Write an account on various kinds of water pollutants. Describe water (prevention and control of pollution) Act.
31. What are the major *in situ* conservation efforts in India? Describe each with examples.

(2 × 10 = 20 marks)