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Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2023

(CBCSS—UG)

Botany

BOT 6B 13—ENVIRONMENTAL SCIENCE

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer all questions.**Each question carries 2 marks.**Ceiling : 20 Marks.*

1. What are ecological pyramids ? Mention the types.
2. Give an account of biosphere reserves ? Give an example.
3. Distinguish between keystone species and flagship species.
4. Write a short note on IUCN.
5. What is thermal pollution ?
6. What is meant by primary productivity ?
7. Distinguish between lentic and lotic ecosystems.
8. What is Biomagnification ? Give an example.
9. What are Phytographs ?
10. Give a brief account of acid rain.
11. What is meant by abundance ?
12. What is meant by allogenic succession ?

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Section B

*Answer all questions
Each question carries 5 marks.
Ceiling : 30 Marks.*

13. Give an account of the morphological and Physiological adaptations in halophytes.
14. What is air pollution ? Write a note on the causes of air pollution.
15. Briefly explain the features of Grassland ecosystem.
16. Explain the role of Kerala State Biodiversity Board in conservation.
17. Write a brief account of solid waste management.
18. Why India is considered as a mega diversity nation ? Add a note on biodiversity hotspot
19. Explain the biogeochemical cycling of Nitrogen.

Section C

*Answer any one question.
The question carries 10 marks.*

20. What is ecological succession ? Explain the mechanism of succession in aquatic systems.
21. Explain the causes of global warming. Add a note on the efforts of global organizations to the emission of greenhouse gases.

(1 × 10 = 10)