

D 100513

474084

(Pages : 2)

Name.....

Reg. No.....

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2024

(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 biodiversity hotspots ?
2. What is Red Data Book ?
3. Mention the important greenhouse gases and their sources.
4. What are non-biodegradable pollutants? Give an example.
5. Comment on *el-nino*.
6. What is meant by frequency in a community ?
7. Mention the salient features of energy flow in an ecosystem.
8. Write a short note on estuarine ecosystem.
9. Distinguish between *ex situ* and *in situ* conservation.
10. What is climatic climax ?
11. What do you understand by indicator species ?
12. What is meant by lotic ecosystem ? Give an example.

Turn over

474084



Section B

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

13. Discuss the role of various organizations in conservation of biodiversity.
14. Write a brief account on the sources of water pollution.
15. Distinguish between Primary and secondary succession citing suitable examples.
16. Explain the morphological and anatomical adaptations found in xerophytes.
17. Give an account of the common techniques used in the study of plant communities.
18. Explain the various approaches followed in the management of environmental pollution.
19. Discuss the major threats to biodiversity.

Section C

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

20. What are sedimentary cycles ? Explain Phosphorous with the help of a schematic diagram.
21. Explain ecological succession in xeric habitats citing suitable examples.

(1 x 10)