

**2024/FYUG/EVEN/SEM/
BOTIDC-151T/037**

FYUG Even Semester Exam., 2024

BOTANY

(2nd Semester)

Course No. : BOTIDC-151T

(Biodiversity Conservation)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *twenty* of the following questions :

1×20=20

1. Name two soil types of India.
2. Define biodiversity.
3. What do you mean by climate change?
4. Name two fauna of Northeast India.

(2)

5. Name two agricultural crops of Assam.
6. Write the full form of IUCN.
7. Define ecology.
8. What is conservation?
9. What is Red Data Book?
10. What is bioethics?
11. What do you mean by germ plasm?
12. What is sustainable development?
13. Write two characteristics of tribal population.
14. Write two biodiversity hotspots of India.
15. Give an example of *ex-situ* conservation.
16. Write the names of two national parks of India.
17. Write the names of two wildlife sanctuaries of India.
18. Write the names of two biosphere reserves of India.

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(Continued)

(3)

19. Write the full form of CBD.
20. What do you mean by mangrove forest?
21. What do you mean by forest vegetation?
22. Give an example of grassland vegetation of India.
23. Name one endemic plant species of India.
24. Write the full form of EIA.
25. Name one NGO for environmental protection.

SECTION—B

Answer any *five* of the following questions :

2×5=10

26. Write a short note on acid rain.
27. Write a short note on ozone layer depletion.
28. Write a brief note on keystone species.
29. What do you mean by red list categories?
30. Write a brief note on the causes of threats in Indian biodiversity.

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(Turn Over)

(4)

31. Write briefly on the various types of conservation of flora and fauna.
32. Write a short note on biopiracy.
33. Write a short note on protected areas.
34. Write briefly on the biogeography of Western Ghats.
35. Give the lists of floristic regions of India.

SECTION—C

Answer any *five* of the following questions :

8×5=40

36. Discuss the causes and effects of global warming. State the measures to minimize global warming. 4+4=8
37. Describe the levels of biodiversity. Write a note on alpha, beta and gamma diversity. 4+4=8
38. Give an account of the global biodiversity. State the measures to conserve biodiversity. 4+4=8

(5)

39. Discuss the process of endemism. What are the possible causes of extinction of flora and fauna in the world. 4+4=8
40. Give an account of the biodiversity of India. Why is India a megabiodiversity nation? 4+4=8
41. Describe the characteristics of biodiversity hotspots of India with examples. 8
42. Discuss the characteristic features of Wildlife Protection Act and Forest Protection Act. 4+4=8
43. Write the important characters of National Parks and Wildlife Sanctuaries. Discuss the biodiversity act briefly. 4+4=8
44. Describe the aims and objectives of environmental education. 8
45. Describe the role of some important NGOs in Environmental Protection in India. 8
