

**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.**

(Turn Over)

Write the full form of CBD.

What do you mean by mangrove forest?

Name two agricultural crops of Assam.

What do you mean by forest vegetation?

Write the full form of IUCN.

Give an example of grassland vegetation of India.

Define ecology.

Name one endemic plant species of India.

What is conservation?

Name one NGO for environmental protection.

What is Red Data Book?

Write the full form of EIA.

What is bioethics?

Name one NGO for environmental protection.

What do you mean by germ plasm?

SECTION—B

What is sustainable development?

Answer any five of the following questions :

2×5=10

Write two characteristics of tribal population.

Write a short note on acid rain.

Write two biodiversity hotspots of India.

Write a short note on ozone layer depletion.

Give an example of *ex-situ* conservation.

Write a brief note on keystone species.

Write the names of two national parks of India.

What do you mean by red list categories?

Write the names of two wildlife sanctuaries of India.

Write a brief note on the causes of threats in Indian biodiversity.

Write the names of two biosphere reserves of India.

(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 :

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

(5)

39. Discuss the process of endemism. What are the possible causes of extinction of flora and fauna in the world.
40. Give an account of the biodiversity of India. Why is India a megabiodiversity nation?
41. Describe the characteristics of biodiversity hotspots of India with examples.
42. Discuss the characteristic features of Wildlife Protection Act and Forest Protection Act.

43. Write the important characters of National Parks and Wildlife Sanctuaries. Discuss the biodiversity act briefly.
44. Describe the aims and objectives of environmental education.
45. Describe the role of some important NGOs in Environmental Protection in India.

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