

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2022 ONLY)**

22UBY6E4

REG.NO. :

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : MAY-2025**

**B.Sc.-BOTANY
SEMESTER :VI**

**MAXIMUM MARKS: 50
TIME : 3 HOURS**

**PART - III
HABITAT ECOLOGY**

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Identify the mismatched pair from the following.

a) Tundra – Permafrost	b) Savanna – Acacia trees
c) Prairie – Epiphytes	d) Coniferous forest – Evergreen trees
2. Name the tropical evergreen forest in India.

a) The Western Ghats	b) Semiarid areas in Gujarat
c) Madhya Pradesh	d) All of the above
3. Estuaries have also been called as

a) Bays	b) Lagoons
c) Sloughs	d) All the above
4. Which of the following contributes to the loss of biodiversity through habitat fragmentation?

a) Construction of roads and urban areas	b) Natural forest fires
c) Grassland	d) The Western Ghats
5. Which is the renewable exhaustible natural energy resource?

a) Coal	b) Petroleum
c) Kerosene	d) Biomass

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define Habitat.
7. What is deciduous forest?
8. How many estuary in India?
9. What is meant by habitat degradation?
10. What is habitat inventory?

SECTION – B

(5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) What is niche and habitat?
(OR)
b) What are the different types of habitats?

(CONTD.....2)

12. a) Explain the characters of grassland ecosystem.
(OR)
b) Describe the conifers and its salient features.
13. a) Write short note on Phytoplankton. How it differs from Zooplankton?
(OR)
b) What is Tundra? Discuss its habitat.
14. a) List out the anthropogenic factors affecting the ecosystem.
(OR)
b) Write a short note on environmental regulations of India.
15. a) Write an essay on Navigation Satellite System.
(OR)
b) List out the different types of remote sensing?

SECTION - C **(5X 5 = 25 MARKS)**

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
(K4 & K5)

16. a) Explain the different stages of succession.
(OR)
b) Describe the Characteristics of ecotones and importance of ecotone.
17. a) Explain the Ecology of major habitats.
(OR)
b) Describe the structure of the desert ecosystem?
18. a) Discuss the aquatic ecosystem with an example.
(OR)
b) Describe the components of mangroves and coral reefs.
19. a) Describe the process involved in the Environmental impact assessment.
(OR)
b) Discuss the difference between habitat fragmentation and habitat degradation.
20. a) What is habitat inventory? Explain the value of Biodiversity Inventories.
(OR)
b) Discuss the applications of GIS in habitat ecology.
