

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)

(NO. OF PAGES: 2)

21UBY6E4

REG.NO. :

N.G.M. COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS: MAY-2024
COURSE NAME: B.Sc.- BOTANY **MAXIMUM MARKS: 70**
SEMESTER: VI **TIME: 3 HOURS**

PART - III
HABITAT ECOLOGY

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. The natural place of an organism or community is known as _____.
a) Niche b) Biome c) Habitat d) Habit
2. What type of vegetation grows in wet, marshy soil?
a) Grasslands b) Mangroves c) Cactus d) Alpine vegetation
3. Which of the following lake zones has phytoplanktons in abundance?
a) Littoral zone b) Benthic zone c) Limnetic zone d) Profundal zone
4. What is included in an Impact assessment?
a) a detailed assessment of the planned project and selected alternatives compared to the baseline conditions
b) Qualitative descriptions measuring high, medium and low impacts
c) Quantitative descriptions such as indicating the cubic metres of water withdrawn, sewage produced, and pollutants released
d) All of the above
5. What do we call the ratio of the size of an image to the number of grids per unit?
a) Resolution b) Image size c) Dots per inch d) Pixels per meter

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

K2

6. Define succession.
7. Illustrate grassland.
8. Illustrate mangroves.
9. Explain degradation.
10. Illustrate the principles of remote sensing.

SECTION – B (5 X 4 = 20 MARKS)

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

11. a) Examine ectone.

(OR)

- b) Interpret edge.

- 12.a) Interpret tropical rain forest.

(OR)

- b) Describe scrub jungle forest .

(CONTD.....2)

(2)

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13.a) Interpret Tundra.

(OR)

b) Examine coral reef.

14.a) Examine Environmental impact assessment.

(OR)

b) Describe the factors influencing habitats.

15.a) Examine GIS.

(OR)

b) List the uses of GIS approaches to habitat ecology .

SECTION - C

(4 X 10 = 40 MARKS)

ANSWER ANY FOUR OUT OF SIX QUESTIONS

(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS FROM

Qn. No : 17 to 21)

(K4 (Or) K5)

16. Criticize habitat ecology .

17. Discuss major habitats.

18. Outline lentic ecosystem .

19. Interpret environmental legislations.

20. Prepare environmental audit .

21. Summarize remote sensing and its applications.
