

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2023 ONLY)

23PBY1E1

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2023

COURSE NAME: M.Sc .-BOTANY

MAXIMUM MARKS: 75

SEMESTER: I

TIME : 3 HOURS

ECOLOGY & PHYTOGEOGRAPHY

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

K1

1. Environment refers to _____ a) Biotic factors only b) Abiotic factors only c) Biotic & Abiotic factors d) Climatic factors.
2. Plant Succession occurring on dry substratum is called _____ a) Hydrosere b) Xerosere c) Mesosere d) Lithosphere.
3. Bhopal gas tragedy occurred on _____ 1984. a) December 3 b) December 5 c) December 10 d) December 15.
4. A Carbon foot print is the total amount of _____ gases that are generated by our actions. a) Greenhouse gases b) SO₂ c) CO d) N₂.
5. The distribution of a species or taxon in a restricted area is called _____ a) Continental Drift b) Endemism c) Age & Area hypothesis d) Red Data.

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

K2

6. What is Edaphic factors?
7. Define Hotspot.
8. Define global warming.
9. What are the stages involved in Environment Impact Assessment?
10. Define Continental Drift.

SECTION – B

(5 X 5 = 25 MARKS)

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

11. a) What is Ecosystem? Describe the structure of Ecosystem?

(OR)

- b) Describe the types of Ecosystem.

- 12.a) Explain about Terrestrial Ecosystem.

(OR)

- b) Describe the Marine Ecosystem.

(CONTD.....2)

- 13.a) Describe the Acid rain.
(OR)
b) Write about Ozone depletion.
- 14.a) Describe the Ecological footprint.
(OR)
b) Write about Environment protection Act.
- 15.a) Describe the continental Drift hypothesis.
(OR)
b) What is Endemism Explain with its example?

SECTION – C

(5 X 8 = 40 MARKS)

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

16. a) Write about the Edaphic factors.
(OR)
b) Explain about the topographic factors.
- 17.a) Describe the Ex-Situ conservation of Biodiversity.
(OR)
b) Explain the Hotspots of Biodiversity.
18. a) Explain the Ecological Effects of Air Pollution
(OR)
b) Write about the Radioactive pollution.
- 19.a) Explain the environmental auditing.
(OR)
b) Explain the Application of remote sensing in Ecological studies.
- 20.a) Write about the Types of Endemics.
(OR)
b) Describe the principles of Plant Geography.
