

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2024 ONLY)

24PBYIEI

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024
COURSE NAME: M.Sc.-BOTANY **MAXIMUM MARKS: 75**
SEMESTER: I **TIME : 3 HOURS**

PART - III
ECOLOGY AND PHYTOGEOGRAPHY

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Which of the following term defines the ability of the individual in the population to produce new individuals?
a) Dispersion b) Mortality c) Natality d) Population dispersal
2. What is the name of the process in which older plant and animal communities are replaced by younger ones?
a) Primary succession b) Secondary succession c) Nitrogen fixation d) Oxidation
3. Name the gas that causes atmospheric pollution is?
a) Sulphur dioxide b) Steam c) Oxygen d) None of the above
4. What is essential in an EIA?
a) That it allows decision makers to assess a project's impacts in all its phases
b) That it allows the public and other stakeholders to present their views and inputs on the planned development
c) That it contributes to and improve the project design, so that environmental as well as socioeconomic measures are core parts of it
d) All of the above
5. Who is the person credited with developing theory of continental drift?
a) Newton b) Alfred Wegner c) Galileo d) Hary Hess

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define mortality.
7. Differentiate hydrosere and xeosere.
8. Interpret E-waste.
9. Illustrate eco-restoration.
10. Define Age and area hypothesis.

SECTION – B (5 X 5 = 25 MARKS)

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

11. a) List the scope of ecology.
(OR)
b) Describe the abiotic factors.

- 12.a) Write a short notes on plant indicators.
(OR)

- b) Describe hydrosere.

(CONTD 2)

13.a) Examine the causes and effects of air pollution.
(OR)

b) Interpret climate change and its consequences.

14.a) List out the importance of EIA eco-restoration.
(OR)

b) Assess environmental auditing.

15.a) Describe the factors involved in distribution.
(OR)

b) List the principles of phytogeography.

SECTION – C

(5 X 8 = 40 MARKS)

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

16. a) Discuss the edaphic factors
(OR)

b) Interpret 'r' and 'k' selection

17.a) Criticize freshwater ecosystem
(OR)

b) Outline the conservation of biodiversity

18. a) Discuss the causes and control measures of water pollution
(OR)

b) Interpret solid waste pollution

19. a) Measure the application of EIA process
(OR)

b) Discuss the application of remote sensing in ecological studies

20. a) Classify the phytogeographical regions of India
(OR)

b) Criticize continental drift hypothesis
