

M.Sc. (Botany) Semester - 2 (CBCS) Examination
March/April – 2025 (As Per Syllabus Year-2023)
Environmental Sciences (Core)

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 Answer any seven out of Eight. (14)**
- (1) List out some natural and anthropogenic sources of pollution.
 - (2) Draw a food web.
 - (3) Describe population growth curves in very short.
 - (4) Write about importance of environmental science.
 - (5) What are species interactions?
 - (6) What is character displacement?
 - (7) What is importance of decomposition?
 - (8) What is global warming?
- Que-2 Answer any two out of three. (14)**
- (1) Discuss about examples of life history strategies.
 - (2) Write about: Examples of niche overlap and resource partitioning.
 - (3) Describe examples of species interactions.
- Que-3 Answer any two out of three. (14)**
- (1) Describe Ecological succession in detail.
 - (2) Write a short note on terrestrial ecosystem.
 - (3) Write about edges and ecotones with examples.
- Que-4 Answer any two out of three. (14)**
- (1) Make a note on: Marine National Park.
 - (2) Take examples of five prey and predators and explain its relationships.
 - (3) Explain hydrosphere.
- Que-5 Answer any two out of three. (14)**
- (1) Explain Application of GIS in Environmental management.
 - (2) Describe soil pollution and its control.
 - (3) Explain Global Warming problems and write its clean development mechanism.
