

M.Sc. (Botany) Semester - 2 (CBCS) Examination
March/April – 2024 (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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- Q. 1 Answer any seven out of ten. (14)
1. What is population growth curves?
 2. What is primary production?
 3. Describe concept of climax.
 4. How biomes can be classified?
 5. Explain niche overlap.
 6. What are Species Interactions?
 7. Draw lithosphere.
 8. What is brood parasitism?
- Q. 2 Answer any two out of three. (14)
1. Describe fundamental, realized niche and character displacement.
 2. Explain life history strategies with suitable examples.
 3. Write about: carnivory, pollination, symbiosis.
- Q. 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.
- Q. 4 Answer any two out of three. (14)
1. Make a note on: biotic and abiotic interactions
 2. Write short note on: prey-predator relationships
 3. Give differences in between Sanctuaries and National Park.
- Q. 5 Answer any two out of three. (14)
1. Explain climate change and clean development mechanism.
 2. Describe Acid rain, Air Quality Standards.
 3. Write about Environment impact analysis.
