

M.Sc. (Micro) Semester - 2 (CBCS) Examination
MARCH/APRIL - 2024 (Syllabus Year: 2018)
Environmental Science (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

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

-
- Q. 1 Answer the Following. (Write About Any seven Out of Ten.) (14)
1. Resource partition.
 2. Soil pollution.
 3. Realized niche.
 4. Floras of Targa biome.
 5. Scales of meteorology.
 6. Importance of environmental science.
 7. Importance of a sanctuary.
 8. Decomposition.
 9. Botanical garden.
 10. Environmental problems.
- Q. 2 Answer the Following. (Any two out of three) (14)
1. Write about realized niche; resource partitioning; character displacement.
 2. Describe demes and dispersal, inter demic extinctions, age structured populations.
 3. Describe carnivory, pollination and symbiosis.
- Q. 3 Answer the Following. (14)
1. Principles of Ecological Succession.
 2. Describe Ecosystem structure and ecosystem function.
- OR
- Q. 3 Answer the Following.
1. Make a note on energy flow and mineral cycling.
 2. Write short note community structure and attributes; levels of species diversity and its measurement.
- Q. 4 Answer the Following. (Any two out of three) (14)
1. Describe physical environment and biotic environment.
 2. Write about structure and composition of atmosphere, hydrosphere, lithosphere and biosphere.
 3. Write about National Parks of any three states other than Gujarat.
- Q. 5 Write short note on any two out of four. (14)
1. Application of GIS in Environmental management.
 2. Procedure for reviewing environmental impact analysis,
 3. Remote sensing and its applications
 4. Environmental impact Assessment methodologies and work flow.
