

**M.Sc. (Micro) Semester - 2 (CBCS) Examination**  
**March/April – 2026 (As Per 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.

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**Que.1 Answer the Following. (Write about any seven out of ten.) (14)**

- (1) Control of soil pollution.
- (2) Air pollution.
- (3) Realized niche.
- (4) Scopes of ecology.
- (5) Scales of meteorology.
- (6) Importance of environmental science.
- (7) Importance of a Ramsar site.
- (8) Character displacement.
- (9) Targa biome.
- (10) Remote sensing.

**Que.2 Answer the Following. (Any two out of three) (14)**

- (1) Write about examples of resource partitioning and character displacement.
- (2) Describe age structured populations.
- (3) Describe interspecific competition, herbivory and symbiosis.

**Que.3 Answer the Following. (14)**

- (1) Write short note on principles of ecological succession.
- (2) Describe Ecosystem structure and ecosystem function.

OR

**Que.3 Answer the Following.**

- (1) Make a note on levels of species diversity and its measurement.
- (2) Write short note energy flow and mineral cycling (C,N,P).

**Que.4 Answer the Following. (Any two out of three) (14)**

- (1) Describe physical environment.
- (2) Write about structure and composition of atmosphere, hydrosphere and lithosphere.
- (3) Write about botanical garden of Gujarat.

**Que.5 Write short note on any two out of four. (14)**

- (1) Acid rain and air quality standards.
- (2) clean development mechanism.
- (3) sewage and waste water treatment.
- (4) Procedure for reviewing environmental impact analysis.

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