

**M.Sc. (Micro) Semester - 2 (CBCS) Examination****March/April- 2018****ENVIRONMENTAL SCIENCE****(CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. Draw neat and labeled diagram wherever needed.
  2. Figures to the right side indicate total marks for the question.
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**Que. 1 Answer the Following. (Any seven out of ten question.) (14)**

- (1) Give any two definitions of environmental science.
- (2) Why Scales of meteorology are important?
- (3) What are biomes? Give examples.
- (4) Explain the importance of botanical garden.
- (5) Which are the major environmental problems?
- (6) How soil pollution can be controlled?
- (7) How remote sensing works?
- (8) Draw three pyramids of number with example.
- (9) What are the scopes of ecology?
- (10) Draw a food web existed at desert biome.

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

- (1) Describe the structure and composition of atmosphere and hydrosphere.
- (2) Describe scales of Meteorology: pressure, wind and precipitation.
- (3) Explain about temperature, humidity and wind roses.

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

- (1) Explain methods of monitoring and control of air pollution.
- (2) Explain effects of air pollution on animals, plants and human beings.

**[OR]**

**Que. 3 Answer the Following.**

- (1) Write short note on sewage and waste water treatment and recycling.
- (2) Write short note on soil pollution control and clean development mechanism.

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

- (1) Describe relationship between biotic and abiotic components of any ecosystem.
- (2) Explain prey-predator relationships with example of any seven organisms.
- (3) Give difference between sanctuaries and national parks.

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

- (1) Impact assessment methodologies.
- (2) Generalized approach on impact analysis.
- (3) Environment management plan.
- (4) Remote sensing and its applications.

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