

M.Sc. (Zoology) Semester - 2 (CBCS) Examination
March/April -2019 (Old Course)
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. (Any seven out of ten question.) (14)

- (1) What are weedicides? What is its effect on soil?
- (2) Describe precipitation.
- (3) What is mixing heights?
- (4) Explain about parasitism in very short.
- (5) Explain hydrosphere in very short.
- (6) Which botanical gardens are there in Gujarat?
- (7) Which gas laws are governing the behavior of pollutants?
- (8) Explain any one pathway of an ecosystem.
- (9) Just list out methods for EIA.
- (10) Write any two definitions of environment sciences.

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

- (1) Explain principles and scopes of environment science.
- (2) Describe lithosphere and Biosphere.
- (3) Describe scales of meteorology and Windroses.

Que. 3 Answer the Following. (14)

- (1) Write a note on Human ecology and settlement. (5 Marks)
- (2) Describe any three biomes. (5 Marks)
- (3) Give differences in between food chain and food web with examples. (4 Marks)

[OR]

Que. 3 Answer the Following. (7 Marks each)

- (1) Explain prey predator relationship.
- (2) Write short note on ecosystem: structure and functions.

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

- (1) Describe Effects of pollutants on human beings, plants, animals, materials and on climate
- (2) Degradation of different insecticides, fungicides and weedicides in soil. Soil organic and inorganic components
- (3) Ozone depletion and clean development mechanism.

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

- (1) Applications of GIS.
- (2) Generalized approach to impact analysis.
- (3) Principles of remote sensing and its applications.
- (4) Environmental impact statement and environmental management plan.
