

M.Sc. (Zoology) Semester - 2 (CBCS) Examination
August/September -2020 [NEW COURSE]
Environmental Science (CORE)

Time: 2:00 Hours**Marks: 56****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any four of the following questions.
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- Que-1 Answer the Following. (Any seven out of ten question.) (14)**
1. Define environment science.
 2. Explain ecotones.
 3. Explain edge effect.
 4. Why botanical gardens are important?
 5. Mention some environmental problems.
 6. Describe scopes of ecology?
 7. List out floras of desert biome.
 8. Explain Air Quality Standards.
 9. Describe application of GIS in Environmental management.
 10. Describe scopes of environment sciences.
- Que.2 Answer the Following. (Any two out of three) (14)**
1. Describe r and K selection with examples.
 2. Write short note on Species interactions.
 3. Explain about age structure and concept of meta population.
- Que.3 Answer the Following. (14)**
1. Describe primary production and decomposition.
 2. Explain community structure and attributes.
- OR
- Que.3 Answer the Following.**
1. Write short note on Structure and function of terrestrial ecosystem.
 2. Write short note on marine ecosystem.
- Que.4 Answer the Following. (Any two out of three) (14)**
1. Explain biotic and abiotic interactions.
 2. Explain atmosphere and hydrosphere.
 3. Describe national parks of Gujarat.
- Que.5 Write any two out of four. (14)**
1. What are the effects of pollutants on human beings, plants and animals?
 2. What is Remote sensing? What are its applications?
 3. Write short note on water pollution.
 4. Write short note on Ozone depletion.
