

M.Sc. (Botany) Semester - 2 (CBCS) Examination
March/April– 2019 (New 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 is environmental science?
 - (2) Why habitat conservations are important?
 - (3) Explain resource partitioning.
 - (4) Describe demes and dispersal.
 - (5) What are adaptations of herbivore?
 - (6) Explain energy flow in any of the ecosystem.
 - (7) “The amount of total energy passed from one level to the next is decreased” agree or disagree? Why?
 - (8) What are the strategies of pray to escape from predator?
 - (9) What is potable water? What parameter should be tested?
 - (10) Explain Air Quality Standards.
- Que. 2 Answer the Following. (Any two out of three) (14)**
- (1) Explain three Species Interactions.
 - (2) Describe concept of metapopulation in detail
 - (3) Make a note on population regulation; life history strategies
- Que. 3 Answer the Following. (14)**
- (1) Explain community structure and attributes.
 - (2) Write short note on Ecological Succession.
- [OR]**
- Que. 3 Answer the Following.**
- (1) Write short note on Terrestrial ecosystem.
 - (2) Describe ecosystem structure and function.
- Que. 4 Answer the Following. (Any two out of three) (14)**
- (1) Describe in detail: atmosphere, hydrosphere.
 - (2) Write about Scope of Environmental science in detail.
 - (3) Make note on any three biomes of the world with a list of fauna and flora.
- Que. 5 Write short note on any two out of four. (14)**
- (1) Natural and anthropogenic sources of air pollution.
 - (2) Effluent treatment plant (ETP).
 - (3) Ozone depletion and global warming.
 - (4) Application of GIS in Environmental management.
