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Total No. of Questions: 09

B.Tech. (2011 Onwards) (Sem.-1,2) ENVIRONMENTAL SCIENCE

Subject Code : EVSC-101 Paper ID : [A1109]

Time: 3 Hrs. Max. Marks: 60

## **INSTRUCTION TO CANDIDATES:**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION B &C. have FOUR questions each.
- 3. Attempt any FIVE questions from SECTION B& C carrying EIGHT marks each.
- 4. Select atleast TWO questions from SECTION B &C.

#### **SECTION-A**

# 1. Write briefly:

- (a) What is meant by homeostasis?
- (b) Who defined the term sustainable development?
- (c) What is climate, weather and rain?
- (d) What is soil?
- (e) What are the functions of an ecosystem?
- (f) What are biotic factors?
- (g) What is biotic potential?
- (h) What is endemism?
- (i) What are wetlands and their basic attributes?
- (j) What is bio-magnification?

### **SECTION-B**

- 2. Give a brief account of how human civilization has been playing havoc to the environment, tracing the details from the agricultural revolution upto present day.
- 3. What are the causes and effects of deforestation? What are the conservation methods you suggest?
- 4. What are the various soil conservation methods?
- 5. Give a detailed account of how the transfer of energy and materials are taking place continuously while the ecosystem continues to be stable.

### **SECTION-C**

- 6. What is meant by extinction? Give your answer with illustrative examples.
- 7. What are the various methods adopted to prevent water pollution? Discuss.
- 8. What is an environmental impact assessment? Describe the process in details.
- 9. "Human revolution has degraded the environment in a big way". Discuss.