Roll No. Total No. of Pages: 02

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:

- 1. 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) "The exposed hand of an astronaut would not feel hot in thermosphere." Comment.
- (b) "Fresh water is the biggest crisis facing the world today." Comment.
- (c) Define Food Chain.
- (d) What is absorption?
- (e) "Ozone is a life savior, if present in stratosphere: but is a pollutant, if present in troposphere." Justify.
- (f) Differentiate BOD & COD.
- (g) "Recycling is an integral part of solid waste management." Comment.
- (h) "The earth system is not, and never has been, free from climate change." Comment.
- (i) What are Human Rights?
- (j) What is value education?

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SECTION-B

- 2. "Humans have a special environmental responsibility to themselves and to other fellow living beings." Discuss.
- 3. What is Deforestation? Enumerate and discuss the various causes of deforestation.
- 4. Justify:
 - (a) "Ecosystems are not static; they are dynamic systems in time & space."
 - (b) "The pyramid of energy always takes a true upright shape."
- 5. How do agro-chemicals contribute to soil pollution? What control measures are to be taken to minimize soil pollution from this source?

SECTION-C

- 6. "Environmental ethics effectively change the role of human from conqueror of the land to citizen and protector of environment." Comment.
- 7. Write short note on:
 - (a) Green Marketing.
 - (b) Eco-labelling.
- 8. What is population explosion? "The problem of population explosion arises when economic development fails to maintain pace with population growth" Justify.
- 9. Discuss Forest Conservation Act.