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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?

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.