

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 at least **TWO** questions from **SECTION - B & C.**

**SECTION-A**

**1. Write briefly :**

1. Define Environment. Name two broad classifications of the environment.
2. Name various types of ecosystem.
3. What is the significance of biodiversity?
4. What are the major air pollutants emitted from thermal power plants?
5. Define sustainable development.
6. What are the causes of acid rain?
7. Write any four major water pollutants.
8. What is the necessity of rain water harvesting schemes?
9. List urban problems related to energy.
10. Define rehabilitation.

### SECTION-B

2. What do you mean by ecological pyramids? Explain various types of pyramids with examples.
3. Discuss the role of producers, consumers and decomposers in an ecosystem. Quote their examples and differentiate amongst their necessities.
4. With a neat diagram explain the different energy levels in an ecosystem. Explain all the parameters involved.
5. Briefly describe about the disaster management principles for floods and landslides hazards.

### SECTION-C

6. What is the mechanism of Ozone layer depletion? Write detailed note on the impact of global warming and nuclear accidents on the environment. What is the role of individuals in controlling these environmental issues?
7. Discuss the environmental and social impacts of growing population. What are the reasons for the population explosion and explain how implementation of family planning programme can help mitigate the problems of population explosion.
8. Write a short note on HIV/AIDS in developing countries.
9. Detail major environmental laws in force in India. What are the issues involved in enforcement of environmental legislation public awareness?