

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Tech.(CE) (2012 to 2017) (Sem.-7,8)**  
**ADVANCED ENVIRONMENT ENGINEERING**  
**Subject Code : BTCE-815**  
**M.Code : 71874**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

1. **Answer briefly :**
  - a. Explain incineration and pyrolysis.
  - b. What are the types of solid waste collection systems?
  - c. Classify hazardous waste.
  - d. What do you mean by acid rain?
  - e. What is thermal inversion?
  - f. What are the different types of waste?
  - g. What are the precautions we can take to avoid noise pollution?
  - h. What is the chemical composition of atmosphere?
  - i. How can you prevent or control indoor pollutants?
  - j. What do you mean by land disposal?

### SECTION-B

2. Describe in detail about hazardous waste management system along with cradle to grave concept with TSD.
3. What do you mean by noise pollution? What are the causes of noise pollution in modern life and there adverse effect on human body? What can be done to prevent or minimize the noise pollution of modern day traffic?
4. List any five methods of preventing air pollution.
5. Explain RCRA & HSWA.
6. Explain the interrelationships between environment biosphere ecosystems.

### SECTION-C

7. Explain the causes of ground water contamination and remedial measures to prevent it.
8. Describe the controlling measures to reduce noise pollution.
9. Describe the various types of pollutants that are contributed by atmospheric dispersion.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**