

Roll No. ....

**24518**

**B. Tech. 7th Semester (Civil Engineering) XI**

**Examination – December, 2013**

**ENVIRONMENTAL POLLUTION & CONTROL**

**Paper : CE-411-F**

**Time : Three hours ]**

**[ Maximum Marks : 100**

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Attempt any *five* questions. All questions carry equal marks.

1. (a) What do you understand by land pollution ?  
Discuss different factors affecting pollution. 10
- (b) Compare aerobic and anaerobic methods of  
compositing of municipal solid waste. 10
2. (a) Explain principles of villages and town  
planning. 10
- (b) What is the importance of population dynamics in  
ecosystem stability ? Explain with examples. 10

3. (a) Explain different local and global effects of air pollution. Support your answer with suitable examples. 10
- (b) Name water-borne diseases caused by bacteria, viruses, protozoa. How are the incidences of these diseases prevented ? 10
4. Write short notes on :
- (a) Risk assessment 10
- (b) Sensitive Analysis 10
5. (a) Explain air conditioning ? Discuss different factors affecting air conditioning. 10
- (b) Define Audi-process. 10
6. (a) Discuss the sources of Asbestos and Barium air pollutants. 10
- (b) India's one of the most widely used fossil fuels is coal. How does it affect our environment from air pollution point of view ? 10
7. Write short notes on : 20
- (a) The Air Prevention and Control of Pollution Act
- (b) The Environment (Protection) Act.

**8.** What are the long-term goals recommended by WHO  
for the following pollutants? 20

(a)  $\text{SO}_2$

(b) Suspended Particles

(c) CO

(d) Photochemical oxidant.