

Roll No.

24518

B. Tech. 7th Sem. (Civil Engineering)

Examination – May, 2015

ENVIRONMENTAL POLLUTION AND 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) Explain the factors influencing the industrial plant location and planning. 10
- (b) Explain photo chemical smog and coal-induced smog. 10
2. (a) List the methods of sampling the suspended particulate matter and explain anyone in detail with sketch. 10

24518- 1250-(P-3)(Q-8)(15)

P. T. O.

- (b) What are you understand by land pollution ?
Discuss different factors affecting pollution. 10
3. (a) Compare aerobic and anaerobic methods of
compositing of municipal solid waste: 10
- (b) Explain the different system of sanitation systems. 10
4. (a) Name and discuss the water-borne diseases
caused by bacteria, viruses, protozoa. 10
- (b) Explain reuse, recycling and recovery of solid
waste materials from refuse. 10
5. (a) Discuss the problems and issues related to the
environment and their impact on society. 10
- (b) What are the important factors to be
considered to minimize the exhaust emission in
automobiles ? 10
6. Explain with the flow diagram, the different
units and functions of municipal waste water
treatment plant. 20

24518- 1250-(P-3)(Q-8)(15) (2)

7. Discuss in details the regulations and standards prescribed in India to control pollution for : 20

- (a) Chemical Industry
- (b) Cement Industries.

8. Explain the followings : 20

- (i) Global warming.
- (ii) Economic effects of air pollution.
- (iii) Phenomenon and formation of green house effect.
- (iv) Methods for disposal of radioactive wastes.