

M.E. DEGREE EXAMINATIONS: APRIL / MAY 2010

Second Semester

ENERGY ENGINEERING

EEG506: Environmental Engineering and Pollution Control

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions

PART A (10 x 2 = 20 Marks)

1. Define environmental science.
2. Define overgrazing.
3. What is water logging?
4. What is ecology?
5. When does a sound causes noise pollution?
6. Define the term environmental ethics.
7. Classify air pollutants.
8. Write few causes for soil pollution.
9. Name the steps involved in solid waste management.
10. Name some instruments required for EIA test..

PART B (5 x 16 = 80 Marks)

11. (a) What are the causes and effects of ozone layer depletion?

(OR)

- (b) Discuss about environment with its types and components.

12. (a) Explain air pollution with sources and effects?

(OR)

- (b) What are the control methods and equipment used for controlling air pollution?

13. (a) Explain the various control measures of water pollution.

(OR)

- (b) Explain sewage water treatment with neat sketch.

14. (a) Discuss about the different methods adopted for disposal of solid wastes.

(OR)

(b) (i) Explain the different types of solid wastes. (8)

(ii) What are the characteristics of an effective solid waste management system? (8)

15. (a) Discuss about pollution from automobiles. What are the emission norms adopted for automobile pollution in India?

(OR)

(b) (i) Explain noise pollution and its impact. (8)

(ii) Discuss the remedies for effluent management for textile industries. (8)
