

D 21793

Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, DECEMBER 2011**

CE 04 805 (D)—ENVIRONMENTAL POLLUTION CONTROL ENGINEERING

(2004 Admissions)

Time : Three Hours

Maximum : 100 marks

Answer all the questions.

1. (a) List the any *ten* types of water pollutants which affects our environment.
- (b) Write a short note on instrumentation for water quality and treatment.
- (c) List out the instruments and techniques for noise measurements and explain any one in detail.
- (d) Write a short note on land pollution.
- (e) Explain the effluent treatment process in a fertiliser industry.
- (f) Sketch and label the flowchart showing the manufacturing process in a textile industry.
- (g) Explain the process of scoping in an EIA project.
- (h) List out any *five* major industrial pollution problems currently faced by our country.

(8 × 5 = 40 marks)

2. (a) Explain the process of self purification of rivers (with the help of a sketch) when waste water is discharged on to it.

Or

- (b) Write short notes on Water quality parameters and Environmental pollution.
3. (a) Explain the physics of sound and hearing and add a short note on pollution cycle.

Or

- (b) Write short notes on noise pollution and light and glare pollution.
4. (a) Explain the manufacturing process and effluent treatment in a paper industry.

Or

- (b) Explain the manufacturing process and effluent treatment in a dairy industry.
5. (a) Explain with the help of an example how EIA is carried out in an industry.

Or

- (b) List out and explain *ten* major damages caused by industrial pollution.

(4 × 15 = 60 marks)