

C 27101

Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
MAY 2012**

CE 04 805 (D) : ENVIRONMENTAL POLLUTION CONTROL ENGINEERING

Time : Three Hours

Maximum : 100 Marks

1. (a) Write a short note on thermal pollution.
(b) Explain the relevance of optimisation of water treatment.
(c) Explain the physics of sound and hearing.
(d) Write a short note on Land Pollution.
(e) Sketch and label the flowchart showing the manufacturing process in a textile industry.
(f) Explain the effluent treatment process in a fertiliser industry.
(g) Explain the relevance of public participation in the EIA process.
(h) Differentiate between screening and scoping in the process of EIA.

(8 × 5 = 40 marks)
2. (a) List out any ten types of water pollutants and explain their effects in our environment.

Or

(b) Explain with the help of a sketch the dissolved oxygen sag curve and mark the salient features.
3. (a) List out the major ecological factors to be considered in an industrial site selection and also add a short note on light and glare pollution.

Or

(b) Write short notes on noise pollution and outdoor lighting and glare sources.
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) List out some of the typical industrial pollution problems in Kerala and explain any one in detail.

Or

(b) List out the various processes in an EIA project and explain how EIA is carried out in an industry (with the help of an example).

(4 × 15 = 60 marks)