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Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) [09 SCHEME] DEGREE
{SUPPLEMENTARY/IMPROVEMENT} EXAMINATION, NOVEMBER 2015**

CE/PTCE 09 804 L22—ENVIRONMENTAL POLLUTION CONTROL ENGINEERING

Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. (a) Enlist any *four* water quality parameters and give their limits for drinking purposes as per IS standards.
- (b) List out natural sources of air pollution.
- (c) What are the sources of land pollution ?
- (d) Write the importance of legislative control.
- (e) What is meant by social assessment of a project ?

(5 × 2 = 10 marks)

Part B

Answer any four questions.

2. (a) Explain the importance of waste water treatment for controlling pollution.
- (b) Write about carbon monoxide and discuss the sources of carbon monoxide.
- (c) Explain about the characteristics of light.
- (d) Write about the legislative control with regards to Environment and pollution in India.
- (e) Write about the water pollution laws and regulation.
- (f) Describe about the sources of Air pollutant.

(4 × 5 = 20 marks)

Part C

Answer all questions.

3. (a) Explain the different types of water pollution and their effects.

Or

- (b) Explain the interrelationship between various forms of pollution.

Turn over

4. (a) Explain the working principle of settling chamber.

Or

(b) Explain the working principle of Electrostatic precipitator.

5. (a) Explain in detail about noise pollution and its sources and effects.

Or

(b) Explain about the working principle of any one instrument used for noise measurement.

6. (a) Explain the physical, social aesthetic and economical assessment of highway project.

Or

(b) Write in detail about the legislations on pollution prevention.

(4 × 10 = 40 marks)