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Register Number :

5540

Name of the Candidate :

B.Sc. DEGREE EXAMINATION DECEMBER 2013.

(CONSTRUCTION MANAGEMENT)

(FIFTH SEMESTER)

540 — INDUSTRIAL WASTE AND WASTE WATER MANAGEMENT

Time : Three hours

Maximum : 75 marks

Answer ONE questions from each units.

(5 × 15 = 75)

UNIT I

1. (a) What are the advantages and disadvantages of Boilers?
(b) What are the quality requirements of cooling tower?

Or

2. (a) Briefly explain the processing of waste water in Brewery industry.
(b) Explain the biological treatment of waste water.

UNIT II

3. (a) What are the steps involved in industrial waste water management?
(b) What are the consequent problems faced in industrial waste water management?

Or

4. Write short notes on:
(a) Strength reduction
(b) Volume reduction.

UNIT III

5. (a) What are the advantages and disadvantages of disposal of Industrial waste water into streams?
(b) What are the different characteristics of Industrial waste water?

Or

6. (a) Explain oxygen sag curve.
(b) What is meant by recycling of waste?

UNIT IV

7. (a) Bring out clearly the differences among Physical, Chemical and Biological treatment of Tannery waste.
- (b) Describe the pollution potential of pulp and paper mill waste and the remedial measures.

Or

8. (a) Discuss the origin and characteristics of Distillery wastes in detail.
- (b) Explain the by products of that may be recovered in a distillery.

UNIT V

9. (a) What are the different sources of waste water in sugar mill? Explain in detail.
- (b) Describe biological treatment of effluent from sugar mill.

Or

10. (a) What are the merits and demerits of common effluent treatment plants?
- (b) Write a detailed note on treatment of steel plant waste.
