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Register Number:

Name of the Candidate:

B.Sc. DEGREE EXAMINATION December 2014

(CONSTRUCTION MANAGEMENT)

(SECOND SEMESTER)

230: PUBLIC HEALTH ENGINEERING

Time: Three hours

Maximum: 75 marks

Answer ONE FULL question from each UNIT

(5 × 15 = 75)

UNIT-I

1. What standard of purification would you recommend for domestic water supplies?

(OR)

2. What is an 'Intake structure'? List the various types of intake and discuss in detail any two of them.

UNIT-II

3. What is flocculation? What are the factors affecting good coagulation? Explain reactions involved.

(OR)

4. Draw the flow diagram and explain the essential stages in processes of water treatment.

UNIT-III

5. With the neat sketch, describe the arrangement and working of a rapid sand filter of the gravity type.

(OR)

6. Write down the design procedure for hard cross and equivalent pipe method.

UNIT-IV

7. Explain the process of decomposition of sewage and explain 'BOD' describe briefly how it is determined.

(OR)

8. State the factors on which the storm water flow on an area depends.

UNIT-V

9. Write short notes on the following: (i) oxidation ponds (ii) Drying beds (iii) Soak pits.

(OR)

10. Sketch and describe the working of a standard trickling filter for purification of sewage.
