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B.Tech. Civil (Construction Management)

Term-End Examination

December, 2013

ET-581(C) : BUILDING SERVICES

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks. Draw sketches neatly where ever required.

1. Explain following unit operations required in water treatment-Aeration, Coagulation, Disinfection and softening. 4x3½=14
2. Write a note on monitoring of treated effluent quality. 14
3. Discuss the various methods of wiring adopted in the cases of a building. 14
4. Explain the major components of an electrically operated elevator. 14
5. How is the earthing system designed ? Explain how to measure the earth electrode resistance. 14
6. What is refrigeration ? Explain the function of throttling valve. 14
7. Explain preconstruction and postconstruction treatment. 14
8. Discuss the physics and chemistry of fire. 14