

T63/A01051/EE/20160708

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Explain aeration. 5
 - b) Explain sedimentation. 5
 - c) Explain coagulation. 5
 - d) Explain filtration of water. 5
 - e) Explain hardness of water. 5
2. Solve any **four** sub-questions.
 - a) Systems of boosted water supply. 5
 - b) Domestic hot water supply system. 5
 - c) Water Meter 5
 - d) PVC water storage tank 5
 - e) Air valve 5
3. Solve any **four** sub-questions.
 - a) Write note on sewage disposal. 5
 - b) Explain primary sewerage treatment. 5
 - c) Explain secondary sewerage treatment. 5
 - d) Write note on storm water drainage. 5
 - e) Explain with sketches shapes of sewers. 5

4. Solve any **four** sub-questions.
- a) Explain direct and indirect water-supply system. 5
 - b) Write short note on Sluice or gate valve. 5
 - c) Write short note on bath tubs. 5
 - d) Write short note on anti-siphonage pipe. 5
 - e) Write short note on combined system of conveyance of refuse. 5

