

M.Sc. (Part-II) (Environmental Science) (CBCS Pattern) Semester-III
PSCENVT09 - Water Treatment and Supply

P. Pages : 1

Time : Three Hours



GUG/W/24/11260

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. Discuss quality of water w.r.t. Physical parameters of water. **16**

OR

- a) Explain impurities in water w.r.t. suspended solids. **8**
b) Give types of wells in details. **8**

2. What is aerator? Give the types of aerators in details. **16**

OR

- a) Briefly explain schematic layout of water treatment plant. **8**
b) Explain working of horizontal sedimentation tank. **8**

3. What is filtration process in water treatment? Give the types of filters. **16**

OR

- a) What is flocculation? Explain it. **8**
b) Explain chlorination of water. **8**

4. Discuss classification of pumps. **16**

OR

- a) Briefly explain method of supply of water in distribution system. **8**
b) Give the necessity of pumping. **8**

5. a) Write about measurement of rainfall. **4**

b) Explain preliminary treatment of water w.r.t. screen. **4**

c) What is ozonisation process? Explain it. **4**

d) Briefly explain how detection and prevention of leakages of pumps are carried. **4**
