[Total No. of Printed Pages : 1

Roll No

MTEE-301(B) M.E./M.Tech., III SemesterExamination, June 2020 Advanced Treatment Methods Time : Three Hours

Maximum Marks : 70

- *Note* : i) Answer any five questions.
 - ii) All questions carry equal marks.
- 1. Define chemical oxidation and explain principle and theory of chemical oxidation.
- 2. a) Discuss different Land treatment systems.
 - b) Discuss reuse of waste water in detail.
- 3. a) Explain about the ozone treatment.
 - b) Mention its advantages and disadvantages of the treatment.
- 4. What is meant by Nitrification and Denitrification? How can we remove Nitrogen by chemical process?
- 5. Write short notes on the following
 - a) Ozone as disinfectant
 - b) Removal of refractory 🗙
 - c) Advantages of aeropoint microbial waste treatment method
- 6. a) Discuss the physico-chemical process for nitrogen removal from waste water.
 - b) Explain the various land application of sludge.
- 7. Describe in brief about the method of dissolved inorganic substance removal.
- 8. Write short notes on any four of the following:
 - a) Effluent disposal and reuse.
 - b) Removal of dissolved substances.
 - c) Non-chemical method for disinfection.
 - d) Chlorine dioxide for chemical oxidation.
 - e) Permagnet chlorine.

MTEE-301(B)

Download all NOTES and PAPERS at StudentSuvidha.com