

S-695

Total Pages : 3

Roll No.

ESC-608

Water and Waste Water Treatment Technologies-II

M.Sc. Environmental Science (MSCES)

4th Semester Examination, 2022 (Dec.)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Discuss in detail about the microbiological metabolism in aquatic environment.

2. What is secondary setting tank for activated sludge parts ? Explain in detail.
3. Describe the aerobic digestion of sludge in detail.
4. Discuss in detail about the methods of removal of odor.
5. What is U-Tube aeration system ? Explain in detail.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Discuss in detail about the waste audit of industries.
2. What do you understand by the composting?
3. Discuss in brief about the various characteristics of the industrial waste.
4. Write a brief account of waste generated from paper and pulp industries and its treatment.
5. Discuss the denitrification process in detail.

6. What do you understand by the water conservation? Discuss in detail.
 7. What do you understand about the term by-product recovery from the waste water?
 8. Describe in detail about the dissolved oxygen in waste water.
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