

R16

Code No: 138FF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, September - 2020

WASTE MANAGEMENT

(Civil Engineering)

Time: 2 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) Enumerate the quality requirements of process water for textiles.
- b) Write the overview of the boiler feed water. [8+7]
- 2.a) Describe the quality requirements of boiler and cooling waters.
- b) Write the advantages of boiler and cooling water treatment methods. [7+8]
- 3.a) Write the purpose and objectives of the neutralization of industrial waste.
- b) What are the advantages and disadvantages of disposal of industrial waste water discharged in to lakes? [7+8]
- 4.a) Describe the theories of industrial waste water Management
- b) Explain the terms volume reduction and strength reduction of industrial waste water.[7+8]
- 5.a) Explain a suitable process for a waste management for a municipal administration with example.
- b) Describe the origin, characteristics of textile industry. [7+8]
- 6.a) Describe the manufacturing process and design origin of liquid waste from distiller.
- b) Write the uses of municipal waste water in industries. [7+8]
- 7.a) Describe the origin, characteristics of pharmaceutical plant waste management.
- b) Explain the special characteristics, effects of liquid waste from sugar mill. [8+7]
- 8.a) Discuss the quantification, characteristics of effluent.
- b) Write the advantages of the common effluent treatment plant. [7+8]

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