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Roll No.

221163

6th Sem.
Branch :Food Technology
Sub. : Waste Management in Food Industry

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

- Q.1 BOD stands for
- a) Biodegradable Oxygen Demand
 - b) Bio Chemical Oxygen Demand
 - c) Biological oxygen demand
 - d) None of them

- Q.2 PH range of Drinking water is
- a) 4
 - b) 10
 - c) 7
 - d) 2

- Q.3 First stage of Food supply chain is
- a) Consumers
 - b) Retailers
 - c) Growers
 - d) Processors

- Q.4 Most food is lost at Primary stage in the countries.
- a) Low Income b) High Income
 - c) All type of countries d) None of the above
- Q.5 What are the waste management steps?
- a) Recycle of waste b) Disposal of waste
 - c) Treatment of Waste d) All the above
- Q.6 What is used for water disinfection?
- a) Methane b) Chlorine
 - c) Hydrogen d) Carbon dioxide

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 Define COD.
- Q.8 TDS of water is measured in _____.
- Q.9 The value of COD is always higher than value of BOD.
(True/False)
- Q.10 What are logoons?
- Q.11 Define sedimentation.
- Q.12 Name any two Chemical Coagulants.

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. $(8 \times 4 = 32)$

- Q.13 Differentiate between COD and BOD.
- Q.14 Explain Flocculation.
- Q.15 Write short note on Total dissolved solids. (TDS).
- Q.16 Write short note on Activated sludge process.
- Q.17 Write the advantages of trickling filter method.
- Q.18 What are different types of waste?
- Q.19 Write the names of major food industries generating waste
- Q.20 What is the main purpose of waste water treatment.
- Q.21 Define disinfection.
- Q.22 Define Pollutants.

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. $(2 \times 8 = 16)$

- Q.23 Explain in detail the Primary method of waste water treatment.
- Q.24 Write various parameters of waste water.
- Q.25 Explain the Rapid sand filtrations method with diagram.