

221163

Roll No.

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. (6x1=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 lagoons?

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. (8x4=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. (2x8=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.