

- Q.31 Classify the solid waste and define each class.
 - Q.32 Make a list of main source of solid waste and food solid waste.
 - Q.33 Describe the main characteristics of waste of food industry .
 - Q.34 Write short note on Oxidation Ponds of waste Water treatment ..
 - Q.35 Draw neat and diagram for upward flow sand filtration and label it properly.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Describe the importance of solid waste management

Q.37 Describe the working of slow sand filter with the help of diagram.

Q.38 Describe grit removing with the help of diagram .

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6th Sem / Semester/ Food Technology

Subject:- Waste Management in Food Industries

Time : 3Hrs. M.M. : 100

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Most food is lost at production stage in thegroup of countries.

 - a) Low income
 - b) High Income
 - c) All type of countries
 - d) Non of the above

Q.2 pH requirement of waste water isto.....for discharge to irrigation purpose.

 - a) 3.5-5
 - b) 5.5-9
 - c) 9-11
 - d) More then 11

Q.3 pH range for basic fluid is.....

 - a) 1-5
 - b) 5-7
 - c) 7
 - d) More than 7

Q.4 Full form of COD in waste management is

 - a) Chemical oxygen demand
 - b) Cash in delivery
 - c) Collect on delivery
 - d) Chemical on demand

- Q.5 % age of oil and grease removed by primary treatment of waste water is
- 65
 - 75
 - 90
 - 100
- Q.6 Chemical used in flocculation is.....
- Polyelectrolyte
 - Protein
 - Charcoal
 - metals
- Q.7 Activated carbon is activated by steam at a temperature.....degree Celsius.
- 800-1000
 - 200-500
 - 100
 - More than 1000
- Q.8 Chemical used for activation of carbon is.....
- Phosphoric acid
 - Zinc chloride
 - Both a and b
 - None of the above
- Q.9 Depth of the sand layer in upward flow sand filter is.....to.....cm.
- 20-25
 - 50-60
 - 60-80
 - 100
- Q.10 Slow sand filters usually operates at a speed of.....m³/hr.
- 0.1-0.3
 - 1-3
 - 3-6
 - More than 6

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Give the importance of food waste management on global base.
- Q.12 How many days are required to complete the procedure of BOD calculation?

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- Q.13 Define Reuse.
- Q.14 Excess of sulfur content can cause the problem of in waste water.
- Q.15 Name the different stages of food waste.
- Q.16 Define coarse screening .
- Q.17 Make a list of sand filters .
- Q.18 Full form of RRR in waste management is.....
- Q.19 Give two basic purpose of food waste management
- Q.20 COD values are always Greater/less than BOD values.

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Give the importance of food Waste management .
- Q.22 Name the stages of food loss during the food supply chain and define any one.
- Q.23 Enlist the major characteristics of liquid food waste .
- Q.24 Write short note on recycling of food waste .
- Q.25 Write short note on environment protection act-1986
- Q.26 Classify the liquid food waste and define industrial waste .
- Q.27 Make a list of Preliminary treatment of waste water and define any one.
- Q.28 Write short note on coarse screening coagulation.
- Q.29 What is oxidation pond? Give its advantages.
- Q.30 What is necessity of advanced waste Water treatment.

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