



Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
(Autonomous)
End Semester Examination: OCT / NOV 2024
Faculty: Science and Technology

Program: B.Voc (Food Processing Technology) **Semester: V** **SET: A**
Program (Specific): Food Processing Technology
Class: T.Y. B.Voc (Food Processing Technology) **Max.Marks: 50**
Name of the Course: Waste Management and warehouse Technology in food Industry
Course Code: FPT 26 **Time: 2:30 Hr**
Paper:

Instructions to the candidate:

- 1) There are 4 sections in the question paper. Write each section on separate page.
- 2) All Sections are compulsory.
- 3) Figures to the right indicate full marks.
- 4) Draw a well labelled diagram

SECTION: A

Q1.A Multiple Choice Question

(01 X 6 = 06 M)

- i. Grease can form _____ on water.
a. Foam b. Droplet c. Blanket d. All of the above
- ii. In anaerobic treatment of wastewater _____ gas is released.
a. Carbon dioxide b. Ammonia c. Methane d. Sulphur
- iii. Vermicast are _____ fertilizer.
a. Ready to use b. Organic fertilizer c. Inorganic Fertilizer d. None of above
- iv. There are _____ principles of SCM.
a. 2 b. 5 c. 7 d. 10
- v. Which term describes the process of moving goods from a warehouse to a retail store?
a. Warehousing b. Distribution c. Procurement d. Inventory Management.
- vi. _____ structure is most common in rural areas of Karnataka and Maharashtra.
a. Kanaj b. Pusa Bin c. Bukhari d. Kuthala

Q1.B. True or False

(01 X 6 = 06 M)

- i. High risk food are non-perishable food products.
- ii. Stock rotation is done after every two weeks.
- iii. Methane gas is released during aerobic process.
- iv. Blast freezers can be used for preservation of meat.
- v. Muda type of storage structure is most commonly found in Bihar.
- vi. Mixed liquor mean mixture of wastewater and microorganism.

SECTION: B

Q2. Explain/Define the following terms **(01 X 6 = 06 M)**

- i. Waste.
- ii. Food Storage.
- iii. Warehouse.
- iv. Pallet.
- v. Adsorption.
- vi. Flocculation.

SECTION: C

Q3. Write Short Note on the following (Any Four) **(03 X 4 = 12 M)**

- i. Screens used in wastewater treatment.
- ii. Trickling Filter.
- iii. Physical method of water analysis.
- iv. Importance of warehouse.
- v. Guidelines for food storage.
- vi. GAC and Sand Filters.

SECTION: D

Q4. Short answer questions (Attempt any Two) **(05 X 02 = 10 M)**

- i. With help of neat labelled diagram explain Rotating Biological Contractor.
- ii. Explain in short ion exchange treatment of water.
- iii. Elaborate on Principles of Supply chain management.
- iv. Give classification of warehouse and explain any two in detail.

Q5. Long answer type Questions (Attempt any Two) **(05 X 02 = 10 M)**

- i. You want store grains in capacity till 150 tones. Which storage structure will you opt for? Enlist and explain any 2 detail.
- ii. ATM industry is the renowned milk industry. Explain types of logistics management systems in detail with the help of diagrams.
- iii. In XYZ area, there is lot of garbage accumulated in bins. Which insect will you find here the most? Explain how it plays role in transmission of disease and also discuss its preventive measures.
- iv. Low temperature plays an important role in food preservation. Explain how cold preservation is used for the same in detail.