

TB214530W

Reg. No :

Name :

B. Voc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement, 2019 & 2018 Admissions Supplementary)

SEMESTER IV - GENERAL (FOOD PROCESSING TECHNOLOGY)

VFPT4G09B18 - BY PRODUCT UTILIZATION AND WASTE MANAGEMENT

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Identify the three R's of proper waste management.
2. Why is waste management important?
3. Define COD.
4. List out two consequences of presence of grease in water.
5. List any two chemical unit process in effluent treatment.
6. Define grit.
7. Define filtration.
8. What are the by products of tomato?
9. State the role of degumming.
10. Write a note on mustard cake.
11. List out the hatchery wastes.
12. Write 2 uses of chitosan.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. How does segregation help in waste management?
14. Write a short note on land filling.
15. Which are the different forms of phosphorous and explain its effect in waste water?
16. Write a short note on fungicide residues.
17. List out the importance of effluent treatment.
18. Write a note on activated sludge process.
19. Write a note on groundnut cake and sunflower seed cake.
20. Write a note on by products from soybean.
21. Write a note on characterization of waste from poultry processing industry.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Enumerate on typical waste encountered in food processing sector.
23. Elaborate on primary treatment of waste water.
24. Explain the utilization of byproducts from oil seeds.
25. Explain in detail on the utilization of by products from egg processing.