

TB214520W

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)

VFPT4G08B18 - FOOD PLANT DESIGNING

Time : 3 Hours

Maximum Marks : 80

Part A

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

(10x2=20)

1. List some sanitary practices that can be incorporated in plant design.
2. What should an ideal plant design contain?
3. What is meant by man power supply?
4. List some reasons for selection of a rural area for plant location.
5. Assess the benefit of continuous process system.
6. Point out some advantages of a good layout to a worker.
7. List the objectives of a plant layout.
8. Point out the requirements when a stone is considered as a building material.
9. Identify the use of light traps in a food industry.
10. Define emulsion paints.
11. List the main components of an abattoir.
12. Point out some basic facilities required for a dairy plant.

Part B

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

(6x5=30)

13. When does a plant design situation arise?
14. Why is application of laws important in a food plant?
15. Write down the steps in location selection decision process.
16. Explain food plant logistics.
17. Illustrate the different types of plant layouts with diagrams.
18. Write a note on paints.
19. Give a note on roofs and ceilings of food plant.
20. Explain the relevance and set up of cold storage in meat and poultry layouts.
21. Explain the various requirements to consider while selecting a site for poultry layout.

Part C

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

(2x15=30)

22. Explain the certification bodies followed in a food plant.
23. Elaborate on the factors involved in plant location decision with the help of a table.
24. Explain the basic characteristics and types of different flooring available for a food plant.
25. Elaborate on fruit processing plant with a flow chart.