

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025
2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
B.VOC F.P.T SEMESTER IV - GENERAL
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 out the general considerations for designing a food plant.
2. List some sanitary practices that can be incorporated in plant design.
3. List some reasons for selection of a rural area for plant location.
4. State the role of plant location in plant layout.
5. Point out the difference between dominant factor and preferential factor.
6. Recall cellular layout.
7. Point out the difference between a Product layout and Process layout.
8. Define emulsion paints.
9. Recall the term 'mortar'.
10. What is the role of turpentine?
11. Comment on the lighting and ventilation required in a poultry plant.
12. List some points for an ideal drainage layout in a poultry plant.

Part B**II. Answer any Six questions. Each question carries 5 marks****(6x5=30)**

13. List out the mandatory requirements followed to adopt sanitary practices in a food plant.
14. Why is application of laws important in a food plant?
15. Enumerate the requirements governing the choices of plant location in the city.
16. Illustrate the steps involved in a location selection decision process.
17. Describe the role of evaluation of a plant layout.
18. Give a note on different types of foundation for a building.
19. What are the uses of paints and varnishes?
20. Write a note on the relevance of processing room in a fruit and vegetable plant.
21. Elaborate on how selection of plant equipments in a dairy plant is to be carried out.

Part C**III. Answer any Two questions. Each question carries 15 marks****(2x15=30)**

22. Design of food processing plants differ from non-food processing plant. Justify its relevance.
23. Explain in detail on economic plant size.
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.