

TM241122K

Reg. No :

Name :

M.VOC (C.S.S) EXAMINATION, NOVEMBER 2024
2024 ADMISSIONS REGULAR
F.P.T SEMESTER I - GENERAL
VFPT1G02TM20 - Novel Food Packaging Technology

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight

(8x1=8)

1. What is appertization ?
2. Mention four functions of packaging.
3. List out the different types of packaging used for seafood.
4. Mention packaging requirements for meat and poultry products
5. Differentiate thermosetting polymer and thermoplastic polymer.
6. Write different types of paper used in food industry.
7. Enumerate the different sterilizing agents used in aseptic packaging
8. Write about tetra packs.
9. State the different machines used in MAP
10. What is water vapour permeability test ?

Part B

II. Answer any Six questions. Each question carries 2 weight

(6x2=12)

11. What are the factors affecting the choice of packaging material?
12. Analyze the product characteristics and packaging requirement of poultry and egg.
13. Explain tinning process
14. Describe the manufacturing process of glass containers
15. Explain the application of nanotechnology in food packaging system
16. Explain the bioactive packaging.
17. Discuss the different vacuum packing machines
18. Write a note on a.) Bursting strength b.) Tearing strength

Part C

III. Answer any Two questions. Each question carries 5 weight

(2x5=10)

19. Explain the packaging system used for meat and meat products.
20. Discuss the properties of different types of plastic used in packaging
21. Explain the significance of Modified atmosphere packaging and briefly write about the MAP packing machines
22. Explain the testing methods of paperboard packaging