



QP CODE: 21101965

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, AUGUST 2021

Third Semester

B.Sc Food Science & Quality Control Model III

Core Course - FS3CRT10 - FOOD PACKAGING MATERIALS & TESTING

2017 Admission Onwards

BD17F3F8

Time: 3 Hours

Max. Marks : 80

core

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. How would you explain food packaging?
2. What are the major functions of food packaging?
3. List down few advantages of secondary packaging.
4. Define rigid food packaging material.
5. Which are the commonly used packaging materials in food industry?
6. Explain Glass packaging merits and demerits.
7. Explain paper board packaging materials.
8. Write down the benefits of tetra pack.
9. Comment on various gases used in MAP.
10. Define retort pouches.
11. Define lubricity test.
12. Explain about Aroma Permeability.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Comment on the main factors considered when you select a food package.
14. Explain flexible packaging materials with example.
15. Briefly explain manufacturing of paper.
16. Write the manufacturing process of injection molding. What are the different types of injection molding process.
17. Give the advantages of biodegradable packaging.
Write a short note on renewable raw materials used in biodegradable packaging.
18. Elaborate on FFS packaging with merits and demerits.
19. Give a detailed account on edible films.
20. Explain active and intelligent packaging. Write its merits, demerits and application with suitable example.
21. Explain the physical tests used in flexible packaging material.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain with suitable examples on different packaging materials.
23. Write an essay on packaging forms of aluminium.
24. Write an essay on vacuum packaging technology.
25. Explain Tin and plastics in terms of types, advantages and disadvantages, physical and chemical tests for quality.

(2×15=30)

