



22100550

QP CODE: 22100550

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
APRIL 2022**

Third Semester

B.Sc Food Science & Quality Control Model III

Core Course - FS3CRT10 - FOOD PACKAGING MATERIALS & TESTING

2017 Admission Onwards

F508492C

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the role of packaging in the promotion of food packaging?
2. Write any two packaging materials.
3. Give the functions of rigid packaging.
4. Differentiate semi rigid and rigid packaging.
5. Comment on is kraftf paper.
6. Comment on Aluminium containers.
7. What are the types of thermoforming?
8. Explain form fill seal packaging.
9. Comment on various gases used in MAP.
10. Write the limitations of retort pouches.
11. What do you mean by tensile strength?
12. Explain about Gas Transmission Rate.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Explain in detail about the importance of packaging in food industry.
14. Discuss about primary secondary and tertiary packaging materials.
15. Comment on commonly used packaging materials in food industry with suitable example.
16. Explain corrugated fibre board boxes.
17. Explain manufacturing of two piece and three piece cans.
18. Explain edible films with suitable examples. Give its application.
19. Elucidate vacuum packaging as a modern trend in food packaging.
20. Explain active and intelligent packaging. Write its merits demerits and application with suitable example.
21. Explain the tests done for plastic packaging materials.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

Find the suitable packaging materials for the following food products .Give reason.

- | | |
|----------------|------------------|
| a) Milk | d) Chilli powder |
| 22. | |
| b) Milk powder | e) Pickle |
| c) Cherries | f) Fruit juice |
23. Write an essay on tin can corrosion and the factors affecting the rate of corrosion.
 24. Comment on suitable packaging technology for liquid products. Give reason.
 25. Explain about destructive and non- destructive tests for glass containers.

(2×15=30)

