



23127035

**QP CODE: 23127035**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE  
EXAMINATIONS, OCTOBER 2023**

**Third Semester**

B.Sc Food Science & Quality Control Model III

**Core Course - FS3CRT10 - FOOD PACKAGING MATERIALS & TESTING**

2017 Admission Onwards

B7A9E520

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Write the history of food packaging.
2. Why protective function is very important in food packaging?
3. Describe Primary Packaging.
4. Give an account on flexible packaging material.
5. Comment on kraft paper.
6. Explain the basic structure of a glass bottle.
7. Comment on HDPE.
8. Write short note on vertical form fill seal packaging.
9. Define CAP.
10. Give the advantages of retort pouches.
11. How can we test the thickness of flexible packaging materials?
12. Define water vapour permeability test.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Explain requirements for effective packaging.
14. Explain the classification of packaging materials with examples.
15. Explain manufacturing of two piece and three piece cans.
16. Explain types of corrosion and factors affecting corrosion.
17. Comment on global migration of plastics.
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. Comment on aroma permeability of packaging materials .

(6×5=30)

### **Part C**

*Answer any **two** questions.*

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

22. Give a brief account on rigid, semi-rigid and flexible packaging materials with examples.
23. Explain different forms of packaging like jars, bottles boxes and cans? Give its advantages and disadvantages.
24. Discuss how modern packaging technology helped the development of food industry.
25. Comment on quality testing of packaging materials.

(2×15=30)

