B.Sc. DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Third Semester

B.Sc Food Science & Quality Control Model III

CORE COURSE - FS3CRT10 - FOOD PACKAGING MATERIALS & TESTING

2017 Admission Onwards

30E097F0

Time: 3 Hours   Maximum Marks :80

Part A

*Answer any **ten** questions.*

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

1. Write the history of food packaging.

2. Write important functions of food packaging.

3. Give the functions of rigid packaging.

4. List down the commonly used flexible packaging materials.

5. Describe glassine.

6. Comment on white board.

7. What are the peculiarities of Tin Free Steel?

8. Write a short note on edible films.

9. Write short note on vacuum packaging.

10. Write the classification of active packaging.

11. Which are the tests done for paper packaging and paper boards?

12. Explain the procedure for testing weight-loss method done for tin plate.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain requirements for effective packaging.

14. Mention and discuss about Classification of packaging based on hardness.

15. What are the main features of TFS?

16. Comment on different types of jars and bottles .

17. Write a short note on different types of cans used in food industry.

18. Compare vertical and horizontal form fill packaging.

19. Elaborate on modified atmosphere packaging and controlled atmosphere packaging with its application.

20. Give a detailed account on retort pouches and boil in bags . Explain its structure, merits and demerits.

21. Comment on GTR and OTR.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Classify packaging materials based on hardness and levels.

23. Explain global migration of plastic with suitable examples and ill effects.

24. Explain in detail about aseptic packaging technology.

25. Explain shelf life testing of tin and plastic.

(2×15=30)