

B. Voc. DEGREE (C.B.C.S.S) EXAMINATION, APRIL 2018
(2017 Admission Regular, 2016 Admission Improvement/Supplementary &
2015 Admission Supplementary)
SEMESTER II – CORE COURSE (FOOD PROCESSING TECHNOLOGY)
VFP2S06TB – PACKAGING TECHNOLOGY

Time: Three Hours

Maximum Marks: 80

PART A

I. Answer all questions. Each question carries one mark.

1. Give examples of rigid and semi-rigid packaging system.
2. Which are the major raw materials for printing ink formulation?
3. What is edible film packaging?
4. Define food labeling.
5. Draw the flowchart of aseptic processing.
6. What are the details shown in coding of food packages?
7. What are the uses of metal as packaging material?
8. List the extrinsic factors affecting shelf life of foods.
9. What is unit packaging system?
10. Define controlled atmospheric packaging.

(10 × 1 = 10)

PART B

II. Answer any eight questions. Each question carries 2 marks.

11. What are the instructions to be provided in labeling?
12. Define offset printing process.
13. Differentiate between stretch and shrink packaging.
14. What are the types of protein based edible films?
15. Draw the flowchart of aseptic packaging system?
16. Define tetra pack system.
17. What does numbers on barcode depict?
18. What is intelligent packing system?
19. Which are the packaging materials used for granular products?
20. What are the functions of food packaging?
21. Write short notes on MAP.
22. What is vacuum packaging?

(8 × 2 = 16)

PART C

III. Answer any six questions. Each question carries 4 marks.

23. Write about the different types of closures used for glass and plastic packaging?
24. Write in detail about flexographic, gravure and screen printing process.
25. Write short notes on grammage, paper density, basis weight, and OTR.
26. Describe in detail active packaging system.
27. What are the requirements of ideal edible film packages?
28. What are the deteriorative changes taking place in food packages?
29. Describe the flexible package forms.
30. Explain in detail aseptic packaging system.
31. Explain the different printing process in food packaging.

(6 × 4 = 24)

PART D

IV. Answer any two questions. Each question carries 15 marks

32. Explain in details the properties of packaging materials used for dairy, bakery and fruits and vegetable packaging.
33. Explain in detail biodegradable packing system.
34. What are the safety and legislative aspects of packaging?
35. Write in detail about the machineries used in food packaging.

(2 × 15 = 30)