

Enrolment No:

Name:

B.Tech.
2023
7th Sem

B.Tech. Food Technology (VII semester) 2023

Sessional Exam-I

BF7C-701: Food Packaging Technology

Time: 1 hour

Maximum Marks: 30

Section A (All the questions are compulsory)

(5x2=10 marks)

1. Define packaging and briefly explain its primary functions in the food industry.
2. Define "active packaging" and provide an example of an active packaging technique.
3. Name two types of closures commonly used with glass containers and briefly explain their characteristics.
4. Give examples of scavengers commonly used in active packaging and explain their functions.
5. What is the primary component of glass used in food packaging? Briefly describe two properties of glass relevant to packaging.

Section B (Answer any two questions)

(2x5=10 marks)

1. Discuss the three main categories of packaging materials (rigid, semi-rigid, and flexible) and provide examples of each. Explain the advantages and disadvantages of each category.
2. Explain the tinning process used in the production of tinplate containers. Discuss the key components of tinplate and their functions.
3. Describe the different types of plastic films used in food packaging. Compare and contrast their properties and applications.

Section C (Answer any one question)

(1x10=10 marks)

1. Explore the concept of intelligent packaging in detail. Discuss the significance of time-temperature indicators (TTIs) in intelligent packaging, their classification, and potential applications.
2. Provide an overview of antimicrobial food packaging, including its objectives and benefits. Discuss the challenges and future prospects of antimicrobial packaging in the food industry.

Section A	CO-PO mapping	Section B	CO-PO mapping	Section C	CO-PO mapping
1	CO3;PO1	1	CO6;PO8	1	CO1;PO11
2	CO3;PO4	2	CO2;PO3	2	CO1;PO9
3	CO2;PO5	3	CO5;PO2		
4	CO3;PO7				
5	CO4;PO10				