

Printed Pages : 3



EFT022

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 182855

Roll No.

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B. Tech.

(SEM. VIII) THEORY EXAMINATION, 2014-15
FOOD PACKAGING

Time : 3 Hours]

[Total Marks : 100

- Note :
- (1) Attempt all questions.
 - (2) Each question carries equal marks.

1. Attempt any four parts of the following : **4×5=20**
 - (a) Define 'package, pre-packed food and wholesale package' according to Food Safety and Standard Act, 2006.
 - (b) Discuss the concepts of food packaging.
 - (c) Explain the functions of a food package. Enlist and discuss the newer developments in the area of food packaging.
 - (d) Comment on "Food package development".
 - (e) What do you understand by "Aseptic Packaging" of foods?

2. Attempt any two parts of the following : **2×10=20**
- (a) Why polymeric materials are selected for food packaging purposes, explain? What do you mean by food grade polymeric packaging material?
 - (b) Discuss the mechanical sealing and barrier properties of Cellophane and Polyesters films.
 - (c) Write a technical note on “Rigid Plastic Packaging in food applications”.
3. Attempt any two parts of the following : **2×10=20**
- (a) What should be the properties of a metal package for packaging of food products? Discuss the advantages and disadvantages of Tin Free Steel Containers.
 - (b) Write a technical note on “Lacquers and their applications in food Packaging”.
 - (c) Discuss the properties of glass containers used for food packaging also discuss the advantages and disadvantages of glass containers in food packaging.
4. Describe the product characteristics and packaging requirements as well as suggest suitable materials and forms for any two of the following : **2×10=20**
- (a) Fresh Fruits and Vegetables
 - (b) Meat and Meat Products
 - (c) Milk and Milk Products.

5. Attempt any two parts of the following : **2×10=20**
- (a) How would you test the performance of plastic containers being used as a package in food applications?
 - (b) Describe the salient features of laws governing the labelling on packaged foods.
 - (c) Write an explanatory note on “Packaging Laws and Regulations”.
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