

Printed Pages : 4



EAG035/AG035

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

**PAPER ID : 180855**

Roll No.

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**B. Tech.**

(SEM. VIII) THEORY EXAMINATION, 2014-15  
**FOOD PACKAGING TECHNOLOGIES**  
**(AGRICULTURAL ENGG.)**

Time : 3 Hours]

[Total Marks : 100

Note : The question paper is divides into three sections. Attempt each section.

**SECTION-A**

- 1 Attempt each short answer type **2×10=20** questions :
- Define the term “Packaging” in terms of its protective role.
  - What are the requirements of packaging?
  - What are the factors that influences the success of packaging?
  - What are the advantages of glass container?
  - List the main advantages of coextruded films over the other types of films.
  - Enumerate the coated paper effect on the packed commodities.

- (g) Why a Universal Print Code (U.P.C) is printed on the consumer packs?
- (h) What are the considerations for packaging system during the last decade?
- (i) What is a seals of containers filled with liquid food?
- (j) Enumerate the flexible containers.

## SECTION-B

**2** Attempt any three parts of the following : **10x3=30**

- (a) Discuss the development and scope for improvement in packaging technologies.
- (b) Why labelling on packed food is the essential requirement? From which materials these labels are made up of? Explain.
- (c) Explain the effect of packaging materials on the packed commodities?
- (d) Write short note on:
  - (i) Shrink packaging
  - (ii) Vacuum packaging
- (e) What are the different packaging materials used now-a-days? Is there any ill effect on the packed commodity? Discuss.

## SECTION-C

3 Attempt all parts of the following. **10×5=50**

- (a) Discuss the requirement and importance of packaging of food.

**OR**

Explain the scope and status of packaging technology within our country.

- (b) What are the main factors that causes deterioration of food during the storage?

**OR**

Discuss the packaging requirement and their selection for processed food.

- (c) Explain the advantages of aluminium foil for food packaging. Name any one potential disadvantages which is reported also.

**OR**

In general, what should be the properties of flexible films for packaging requirement of food?

- (d) Discuss the main types of labels and their applicability for packaging food materials.

**OR**

Differentiate between pressure seals and normal seals.

- (e) Write an essay on “Disposal and recycle of packaging waste”.

**OR**

Write short notes on the following:

- (i) Package testing  
(ii) Glass container for packaging.
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