



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

PAPER ID : 180855

Roll No.

--	--	--	--	--	--	--	--	--	--

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 :
- (a) Define the term “Packaging” in terms of its protective role.
 - (b) What are the requirements of packaging?
 - (c) What are the factors that influences the success of packaging?
 - (d) What are the advantages of glass container?
 - (e) List the main advantages of coextruded films over the other types of films.
 - (f) 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.
-