



KERALA AGRICULTURAL UNIVERSITY
B.Tech. (Food Engg.) 2018 Admission
VII Semester Final Examination - January 2022

Fdpr.4105

Food Packaging Technology (2+1)

Marks: 50
Time: 2 hours

(10x1=10)

I Fill in the blanks

- is normally used for packaging foods having high fat content.
- Packaging is a means of ensuring delivery of food to the ultimate consumer in sound condition at optimum cost.
- WVTR stands for
- Base plate for tin coating is
- PE is made by addition of ethylene gas in a high temperature and pressure reactor.
- The common types of seal are
- DWI can mean.....
- Information about the food product may be obtained from the of the packaged food.

Choose the correct answer

- Food contacts packaging material in
 - Primary packaging
 - Secondary packaging
 - tertiary packaging
 - quaternary packaging
- Modern food packaging era began with
 - canning
 - retorting
 - bottling
 - heat sealing

(5x2=10)

II

Write short notes on ANY FIVE of the following

- List the functions of Food Packaging.
- Write a note on spoilage mechanism during storage.
- Differentiate LDPE and HDPE.
- Differentiate shrink and vacuum packaging.
- Role of packaging in brand competition.
- What are the functions of closure of glass container?
- Differentiate the Psychrotrophic and Psychrophilic micro-organisms affecting the shelf life of food.

(5x4=20)

III

Answer ANY FIVE of the following

- Explain various lamination techniques used in food packaging.
- Explain three piece can manufacture process.
- Explain in detail about retort packaging.
- Explain the process of biodegrading of food product during storage and the major factors responsible for the biodegradation.
- Explain various ISI tests used for packaging materials.

6. Write a note on corrugated fibre board boxes.
7. Explain working of vacuum packaging machine.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain various printing equipments used in food packaging.
2. Explain the concept of REUSE, RECYCLE, DISPOSE with respect to the packaging materials used in food processing sector.
