

1057

B. Voc. (Food Processing and Preservation)  
Sixth Semester

BFP-604: Food Pricking and Industrial Waste Treatment

Time allowed: 3 Hours

Max. Marks: 60

**NOTE:** Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short notes on:-

- a) Sterilization of bottles
- b) Lacquers
- c) Corrugated card
- d) Speciality packages
- e) Impulse sealing
- f) Copolymers

(6x2)

**UNIT – I**

- II. a) Discuss the process of estimation of shelf life of packaging material?  
b) What are the effects of environmental factors on quality of food?

(2x6)

III. Explain the following:-

- a) Gas and water vapour transmission rates
- b) Vacuum and inert gas packaging

(2x6)

**UNIT – II**

- IV. a) What are open top sanitary cans and aerosol cans?  
b) Discuss in detail the basics of canning operations.

(2x6)

- V. a) Explain glass jars and bottles as packaging material  
b) Describe three-piece cans and two-piece cans.

(2x6)

**UNIT – III**

- VI. What are the types of plastics used and their applications?
- VII. a) Explain board packaging and their applications.  
b) Describe laminated paperboard cartons and fibre board.

(12)

(2x6)

P.T.O.

(2)

**UNIT – IV**

- VIII. a) Describe modified atmosphere packaging.  
b) Explain filling and sealing for various types of packages. (2x6)
- IX. a) What are form fill seal equipments?  
b) Explain bar codes and nutrition labeling? (2x6)

x-x-x