

1058

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

BFP-604: Food Packaging and Industrial Waste Treatment

Time allowed: 3 Hours

Max. Marks: 60

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.*

x-x-x

**Q1. Write short notes on**

- a) Vacuum packaging
- b) Open top sanitary cans
- c) Retort Pouch packaging
- d) Impulse sealing
- e) Bar codes
- f) Nutrition labelling

(2 X 6=12)

**UNIT I**

- Q2. A) Discuss the effects of environmental factors on quality of food (6)  
b) Write a note on inert gas packaging (6)

Q3. Describe in detail gas and water vapour transmission rates (12)

**UNIT II**

- Q4. A) Explain three piece cans and two piece cans. (4)  
b) Describe canning operation in detail. (8)

- Q5. A) Discuss the glass jars and bottles in food packaging (6)  
b) Describe the sterilization of bottles. (6)

**UNIT III**

- Q6. A) What are the different plastics used in packaging and give their applications. (6)  
b) Explain laminated paper board cartons and fibre board. (6)

Q7. Describe board packaging and their applications in detail. (12)

**UNIT IV**

- Q8. A) Write a note on hot wire sealing and hot bar sealing. (6)  
b) Describe the filling and sealing of flexible plastic containers. (6)

- Q9. A) Discuss CO<sub>2</sub> and oxygen scavenging. (4)  
b) Describe the principle and applications of modified atmosphere packaging. (8)

x-x-x