

2056

B. Voc. (Food Processing and Preservation) FYUP
Fourth Semester
BFP-401: Food Packing Technology

Time allowed: 3 Hours

Max. Marks: 40

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

x-x-x

I. Answer any four of the following briefly:-

- a) Functions of packaging
- b) Laminated paper board cartons
- c) Sealing of rigid plastic containers
- d) Moisture control
- e) Functions of copolymers
- f) Hot bar sealing (4x2)

UNIT - I

- II. a) Describe tests performed on packaging materials.
b) Explain mechanical strength properties. (2x4)
- III. a) What is gas and water vapor transmission rate?
b) Explain accelerated storage studies in shelf-life estimation. (2x4)

UNIT - II

- IV. a) Differentiate between two-piece and three-piece cans.
b) Explain aerosol cans and their applications. (2x4)
- V. a) Differentiate between two-piece and three-piece cans.
b) Explain sterilization of jars and bottles. (2x4)

UNIT - III

- VI. a) Explain rigid and semi-rigid plastic packaging methods.
b) Discuss retort pouch packaging and its advantages. (2x4)
- VII. a) Describe laminated paperboard cartons.
b) Explain fiberboard packaging and its applications. (2x4)

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UNIT - IV

- VIII. a) Explain filling and sealing of flexible plastic containers.
b) Discuss active packaging and its importance. (2x4)
- IX. a) Explain permeability of gases in packaging materials.
b) Discuss the role of CO₂ and oxygen scavengers. (2x4)

x-x-x