

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Discuss various business concepts in detail.
- Q.4 Write a detailed note on product characteristics.
- Q.5 Write a detailed note on principal modes of transport and hazards on movement.
- Q.6 Discuss various factors responsible for climatic damage.
- Q.7 Mention the importance of packaging material recovery and recycling.

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Roll No.

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3rd Sem. / Pack. Tech.

Subject : Basics of Packaging & Env.

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Types of business.
- b) Quality control.
- c) Benefits of value addition.
- d) Role of distributor.
- e) Use of enclosure.
- f) Packaging materials.
- g) Fragile material.
- h) Corrosion.

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- i) Purpose of preservation
- j) Principal models of transport.
- k) Need of handling.
- l) Effects of cracking.
- m) Food deterioration
- n) Components of environment as a system.
- o) Package conversion.
- p) Concept of waste.
- q) Recycling.
- r) Package design.
- ii) Recycling of laminates.
- iii) Strategies of waste management.
- iv) Environmental strengths of various packaging materials.
- v) Value of life cycle assessment.
- vi) Methods of life cycle analysis.
- vii) Energy consumption during packaging conversion.
- viii) Climatic and bio-deterioration.
- ix) Various causes of climatic change.
- x) Loading and unloading hazards.
- xi) Display requirements of departmental stores.
- xii) Technical functions of packaging.
- xiii) Demographic influences on packaging.
- xiv) Features of current packaging materials
- xv) Advantages of branding.

SECTION-B

Note: Short answer type questions. Attempt any ten parts
10x4=40

Q.2 i) Relationship between package design and material selection.

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