

SECTION-C

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

- Q.3 Discuss on wood based packaging in detail with suitable examples.
- Q.4 Mention the various applications of glass containers.
- Q.5 Write a detailed note on paper cups and saucers.
- Q.6 Write a detailed note on folding cartons and its applications.
- Q.7 Discuss on paper and paperboard based packaging in detail with their applications also.

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Roll No.

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3rd Sem. / Packaging Tech.

Subject : Packaging Materials

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 a) Composites
- b) Closures
- c) Plywood kegs
- d) Cases and crates
- e) Glass containers
- f) Steel cans
- g) Aluminum cans
- h) Aluminum foils

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- i) Black plate
- j) Paper crimped cups
- k) Reverse tuck carton.
- l) Sealed end cartons
- m) Honeycomb boards
- n) Flutes
- o) Fourdrinier machine cylinder.
- p) Optical properties of paper.
- q) Structure of paperboard
- r) Packaging paper

SECTION-B

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

Q.2 i) Nomenclature of paper products.

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- ii) unconverted paper wrapping.
- iii) Types of wrapping materials.
- iv) General properties of paper board.
- v) Physical characteristics of paperboard.
- vi) Types of board making machine.
- vii) Solid fiberboard boxes.
- viii) Case quality evaluations.
- ix) Types of folding cartons.
- x) Applications of setup boxes.
- xi) Packaging metals.
- xii) Aluminum collapsible tubes.
- xiii) Advantages of steel cans.
- xiv) Various defects in wood.
- xv) Applications of paper laminates.

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