

- Q.21 Briefly discuss the advantages and disadvantages of glass as packaging material.
- Q.22 Briefly explain about edible packaging and shrink packaging.

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SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the packaging components in details.
- Q.24 Explain the laws related to food packaging in detail.
- Q.25 Explain packaging requirement for milk and milk products in detail.

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Grease proof paper is used in packaging of _____
a) Fresh fruits and vegetables
b) Jam and Jelly
c) Baked foods
d) Frozen foods
- Q.2 The test measures the ability of a paper or paper board to withstand pneumatic or hydraulic pressure built up is called
a) Burst strength b) Tear resistance
c) Tensile strength d) Grease resistance

- Q.3 Containers used for packaging of minerals water.
- a) PVC b) PET
- c) PP d) PVA
- Q.4 Combining two or more than two films into a single film is known as
- a) Kraft paper b) Lamination
- c) Restorable pouches d) End fold wrapping
- Q.5 Polyethylene is a polymer of
- a) Styrene b) Ethylene
- c) Methylene d) Propylene
- Q.6 Which of the following is a fragile packaging material?
- a) Glass b) Plastic
- c) Paper d) Metal

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

- Q.7 Technique used to measure the durability of material by subjecting it to a free fall from a predetermined height _____
- Q.8 The filling of sterile containers with commercially sterile product under aseptic condition is _____

- Q.9 In case of 'Kraft paper', the word 'kraft' means _____
- Q.10 Packaging in which packaging material contract over product when heated _____
- Q.11 HDPE stands for _____
- Q.12 Number of layers in tetra pack _____

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$
- Q.13 List the value basic properties of packaging material.
- Q.14 Describe the procedure of cryo-vac process of vacuum packaging.
- Q.15 Briefly explain traditional and modern packaging materials with suitable examples.
- Q.16 Briefly explain about vacuum packaging and gas packaging.
- Q.17 Briefly explain about WVTR and its significance.
- Q.18 List the valuable properties of paper as packaging material.
- Q.19 Differentiate between thermoplastic and thermoset plastic with suitable examples.
- Q.20 Explain the working principle of tetra pack unit.