



**KERALA AGRICULTURAL UNIVERSITY**  
**B. Tech.(Food Technology) 2023 & Previous Admission**  
**VI Semester Final Examination – June 2026**

Pafe 3232

**Food Packaging Technology and Equipment (2+1)**

**Marks: 50**  
**Time: 2 hours**

**I State True or False**

**(10x1=10)**

1. Type E flute in corrugated boxes are mostly used in the packaging of consumer goods, displays, and food products such as pizza boxes.
2. Containerization increases packaging cost.
3. Annealing of glass means sudden increase in temperature.
4. LDPE is softer and more flexible than HDPE.
5. Packaging is a tool for containment.

**Define the following**

6. Lacquer
7. Injection molding process
8. Bulk pack
9. DWI can
10. Thermosetting plastics

**II Write short notes on ANY FIVE of the following**

**(5x2=10)**

1. Write short note on gravure printing.
2. Write short note on retort pouch.
3. Write short note on Lamitube.
4. Discuss selection criteria of corrugated fibre board containers.
5. Write properties of Glass.
6. Write short note on vacuum packaging machine.
7. Write short note on Compression test.

**III Answer ANY FIVE of the following**

**(5x4=20)**

1. Discuss status of packaging industry in world.
2. Explain packaging of fats and oil in brief.
3. Explain significance and test method of any four tests for paper and paper board in brief.
4. What is Modified Atmospheric Packaging? Discuss role of various gases in MAP.
5. Write note on composite containers.
6. Explain different requirements of packaging material.
7. Discuss Active Packaging system.

**IV Write an essay on ANY ONE of the following**

**(1x10=10)**

1. Explain the process of manufacturing of three-piece cans using flow chart.
2. Elucidate the mandatory information a manufacturer must get printed on label.

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