



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Tech.(Food Engg.) 2016 Admission**  
**VII Semester Final Examination-December 2019**

**Fdpr.4105**

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

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

**I Match the following**

**(10x1=10)**

- |                                       |                             |
|---------------------------------------|-----------------------------|
| 1. Moton glass                        | a Gas composition balance   |
| 2. Draw-and-wall-iron(DWI)            | b Oxygen scavenging         |
| 3. Polymer permeability               | c Snug fit                  |
| 4. Enzyme catalysis                   | d Linen                     |
| 5. Shrink wrapping                    | e Permanent marks           |
| 6. Gas flush process                  | f Non-slip                  |
| 7. Label                              | g Migration of plasticisers |
| 8. Laser coder                        | h Press and blow process    |
| 9. Burlap                             | i Thinner Al cans           |
| 10. Interaction between pkt. and food | j Form fill seal machine    |

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

**(5x2=10)**

1. Role of packaging in foods.
2. Vacuum packaging.
3. Contact printing.
4. Shrink Wrapping.
5. Labels for freight container.
6. Barcodes.
7. Advantages and disadvantages of glass containers.

**III Answer ANY FIVE of the following.**

**(5x4=20)**

1. Enlist the properties of flexible film.
2. Explain the principal of operation of gas transmission cell.
3. What do you mean water vapour permeability? Enlist the different method of water vapour transmission rate and explain any one.
4. Enlist the various types of labels and explain any three
5. Explain various types of contact printing(any five).
6. Enlist the various types of packaging material and explain any three.
7. List of important points on interactions between packaging & foods.

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

**(1x10=10)**

1. Importance of labeling for the package foods.
2. Recycling of packaging wastes.

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