

# KERALA AGRICULTURAL UNIVERSITY

B.Tech.Food Engg. 2013 Admission

VIIIth Semester Final Examination-January 2017

Cat. No: Fdpr. 4105

Marks: 50

Title: Food Packaging Technology (2+1)

Time : 2 hours

**I. Fill up the blanks/ Match the following :** (10 x 1=10)

1. LLDPE stands for -----
2. For sealing unsupported, thermoplastic materials, ----- are used.
3. The gases involved in modified atmosphere packaging are -----, ----- and -----
4. Packaging food under sterile condition is ----- packaging.
5. ----- paper is made from sulphate pulp.
6. Bubble films : Flexo
7. Closure : Impulse
8. Heat sealing : Epoxy Phenolic group
9. Lacquer : Cushioning
10. Printing : Vacuum seal

**II. Write short notes/answers on ANY FIVE:** (5x 2=10)

1. Define primary and secondary package.
2. Explain MAP.
3. What is active packaging?
4. Define tetra packaging.
5. Differentiate DRD and DWI cans.
6. Write a note on recycling of packaging waste.
7. Write a note on bar coding.

**III Write answers on ANY FIVE:** (5 x 4=20)

1. Discuss in detail about requirements of packaging.
2. Discuss about different rigid packaging methods and their advantages.
3. Explain the importance of vacuum packaging in food preservation.
4. Explain the production of paper and paper boards.
5. Explain the function and application of form-fill sealing machine.
6. Explain in detail about lamination and sealing techniques.
7. Explain the advantages of modern food packaging systems.

**IV. Write essay on any ONE** (1 x 10=10)

1. Discuss in detail about different tests for packaging materials.
2. Explain in detail about various can manufacturing methods.

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