



**KERALA AGRICULTURAL UNIVERSITY**  
**B. TECH AGRICULTURAL ENGINEERING 2017 Admission**  
**VII<sup>th</sup> FINAL EXAMINATION - 2021**

Cat. No: Elfa 4203

Course: Food Packaging Technology (2+1)

Mark: 50

Time: 2 hours

**A. Fill in the blanks**

**(10\*1 =10)**

1. ----- grade of stainless steel is used in the food industry
2. Widely used packaging material for a carbonated soft drink is-----
3. PVA stands for-----
4. WVTR stands for-----
5. An example of thermosetting material is-----
6. .... chemical compound is used as sterilizing medium in aseptic packaging of food
7. Paper is termed board when its grammage exceeds -----
8. PET stands for-----
9. Filling of sterile containers with a commercially sterile product is known as -----
10. The major gases used in MAP are-----

**B. Write a short note on any five of the following**

**(5\*2 = 10)**

1. Functions of food packaging
2. Advantages of aseptic packaging
3. Differentiate thermoplastics and thermosetting plastics
4. Differentiate LDPE and HDPE
5. List of factors affecting the shelf life of the food
6. Advantages of plastic packaging materials

**C. Answer any five of the following**

**(5\*4 = 20)**

1. Vacuum packaging and its advantage
2. Discuss three-piece can manufacturing process
3. Differentiate DRD and DWI cans
4. Explain aseptic packaging, tetra pack, and its components
5. Explain intelligent packaging
6. Enlist various types of labels and explain any two

**D. Write an essay about any one of the following**

**(1\*10 = 10)**

1. Explain various lamination techniques used in food packaging
2. Explain the process production of glass containers