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Total No. of Printed Pages: [01]

Total No. of Questions: [09]

**B.Sc. (Food Tech.)/B.F.S.T (Hons.) (Semester – 5<sup>th</sup>)**

**FOOD PACKAGING**

**SUBJECT CODE: BFOTS1 -502**

**Paper ID: [19131724]**

**Time: 03 Hours**

**Maximum Marks: 60**

**Instruction for candidates:**

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

**Section – A**

**(2 marks each)**

Q1. Attempt the following:

- a. Define food packaging
- b. Explain the Edible packaging.
- c. Write functions of food packaging.
- d. What is injection molding?
- e. What points should be considered during disposal of plastic waste?
- f. Write the name of different packaging materials used for bakery products?
- g. Discuss the importance of biodegradable plastics.
- h. Briefly describe the modified atmosphere packaging system.
- i. Define aseptic packaging.
- j. Why recycling of plastic is done?

**Section – B**

**(5 marks each)**

- Q2. Explain primary food packaging and secondary packaging.
- Q3. Discuss the functional properties of the metal containers.
- Q4. Discuss the difference between thermoplastic and thermosetting plastics.
- Q5. Write short note on: -
  - a) Packaging requirement for milk and dairy products.
  - b) Components of tinplate.
- Q6. Discuss the working of seal and shrink packaging machines.

2.5x2=5

**Section – C**

**(10 marks each)**

- Q7. Write short note on
  - a) Corrugated fiber board.
  - b) Labelling laws.
- Q8. Discuss the various methods of manufacturing of glass containers. Explain major advantages and drawbacks associated with selection of this packaging material.
- Q9. Define active food packaging? Discuss the importance of active food packaging in food industry.

5x2=10