

B.Sc. (Food Tech.)/B.F.S.T (Hons.) (Semester – 5th)
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: - $2.5 \times 2 = 5$

- a) Packaging requirement for milk and dairy products.
- b) Components of tinplate.

Q6. Discuss the working of seal and shrink packaging machines.

Section – C **(10 marks each)**
 $5 \times 2 = 10$

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.