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The Assam Royal Global University, Guwahati

Royal School of Biosciences

B.Sc. in Food Technology, 6th Semester

Semester End Examination, June 2023

Course Title: Food Packaging Technology

Course Code: FTC152C602

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.

The figures in the right-hand margin indicate marks.

Section – A

1. Attempt all questions. (Maximum word limit 50) 2 x 8
- a. What is tertiary food packaging.
 - b. Explain Agglomeration.
 - c. What is food deterioration.
 - d. Explain shelf life of a food product
 - e. Explain any two properties of flexible packaging
 - f. Give two advantages and disadvantages of polypropylene.
 - g. What are tetra packs.
 - h. Explain intelligent packaging.

Section – B

2. Attempt any two of the following: 6 x 2
- a. Define food packaging. Explain three basic types of food packaging
 - b. Explain how food packaging is effective in Portion control and marketing.
 - c. Explain the barrier protection properties of food packages.
3. Attempt any two of the following: 7 x 2
- a. Explain the physical changes that causes food deterioration.
 - b. Elucidate in brief the extrinsic and intrinsic factors affecting the shelf stability of food.
 - c. "Microorganisms can make both desirable and undesirable changes to the food quality
"Justify the above statement.
4. Attempt any two of the following: 7 x 2
- a. Explain the properties of rigid and semi rigid packaging.
 - b. Explain the types of plastic pouches and its properties.
 - c. Discuss the various types of flexible packaging used in food industry with examples.
5. Attempt any one of the following: 14 x 1
- a. What is Aseptic packaging. Write down the advantages and disadvantages of aseptic packaging.
 - b. What is CAP. Explain the principle of CAP with examples.