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The Assam Royal Global University, Guwahati

Royal School of Bioscience

B.Sc. Food Technology

Semester End Examination, June 2023

Course Title: Food Sensory Evaluation

Course Code: FTC152D601

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.

The figure in the right-hand margin indicate marks.

Section- A

1. Attempt all questions (Maximum word limit 50) 2x8
- a. How the quality of food can be described?
 - b. What are the requirements of sensory evaluation programme?
 - c. What is the purpose of a briefing room?
 - d. What should be the environment of a sensory evaluation room?
 - e. What is paired comparison test?
 - f. Explain Triangle test.
 - g. What is a texture analyser?
 - h. What is the use of Hunter lab instrument and how the results are expressed?

Section-B

2. Attempt any two of the following: 6x2
- a. What do you mean by textural characterization? Give the examples of food products with typical textural attributes in a tabular form.
 - b. What do you mean by threshold sensation? What are the different levels of threshold?
 - c. What factors affect our perception? How can we improve our perception?
3. Attempt any two of the following: 7x2
- a. Give a diagrammatic representation of a sensory evaluation laboratory.
 - b. What are the requirements of testing booth/area?
 - c. What should be the location of a preparation room? Enlist the equipment / apparatus needed in a preparation room.
4. Attempt any two of the followings: 7x2
- a. Discuss ranking test in details.
 - b. Discuss about the choice of techniques for Paired comparison test.
 - c. Give the details of a specimen evaluation card and intensity scale for threshold test.
5. Attempt any one of the following: 14x1
- a. What do you mean by olfaction/smell? Explain in details the olfactory mechanism.
 - b. What do you understand by the term Umami? What chemical compound describes Umami? How the samples can be prepared using the compound with different concentration for umami threshold test?