

The Open University of Sri Lanka
 Faculty of Engineering Technology
 Department of Agricultural & Plantation Engineering



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGI4559 Food and Nutrition
Academic Year	: 2019/2020
Date	: 22 nd January 2021
Time	: 9.30-12.30hrs
Duration	: 3 hours

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SECTION 2: Answer any four (04) questions.

1. a) Classify carbohydrates based on number of monomer units giving two examples for each classification? (12.5 Marks)
 (b) Explain the fate of ingested milk rice in a human body. (12.5 Marks)
2. a) Illustrate and label the human alimentary canal. (15 Marks)
 b) Briefly explain why glucose should be given to and athletes before and after a game. (10 Marks)
3. (a) Draw the Haworth Ring formula of D-glucose. (10 marks)
 (b) Briefly explain the role of villi of small intestine in nutrient absorption (15 Marks)
4. Discuss the major components that are needed to be considered in developing a food policy for a country? (25 Marks)

5. Write short notes on the following topics (12.5 Marks for each)
- Different factors effect on basic metabolic rate of human. (BMR)
 - Why milk products do not show traffic light colours.
6. "Food additives improve the organoleptic properties of food" Critically evaluate the statement.
- (25.Marks)