

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



Study Programme	: Bachelor of Science Honours in Engineering
Name of the Examination	: Final Examination
Course Code and Title	: AGX5206 Food Science
Academic Year	: 2023/2024
Date	: 11 th February 2025
Time	: 9.30-12.30hrs
Duration	: 3 hours

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SECTION 2: Answer any four (04) questions.

- Classify carbohydrates based on the number of monomer units giving two examples for each classification. (10 Marks)
 - Draw and label the alimentary canal of a human. (15 Marks)
- “Chemotherapy-treated patients show malabsorption of nutrients with diarrhoea after 2-3 days of the treatments” Critically comment on the statement giving suitable illustrations to support your answer. (25 Marks)
- Briefly state why some people develop allergic symptoms and signs after ingesting certain food like prawn, crab, cashew and pineapple? (12.5 Marks)
 - Explain the functions of mineral elements in human nutrition. (12.5 Marks)
- Describe the digestion and absorption process of ingested milk rice in the human body. (25 Marks)
- Write short notes on the following topics. (12.5 Marks each)
 - Importance of maintaining HDL/LDL ratio of blood cholesterol.
 - Type of food that can be recommended for Lactose intolerance patients.
- Describe the functions of food additives in improving the organoleptic properties of food. (25 Marks)