

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	: 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.

- Sketch a diagram of the human digestive system labelling all the key components. (10 Marks)
 - Describe the **digestion process** in the human body after drinking a glass of full cream milk. (15 Marks)
- “Type II diabetes can be prevented/curable while Type I diabetes cannot be cured”
Critically comment on the statement. (25 Marks)
- Illustrate and label the Villi of a small intestine. (15 Marks)
 - State the function of the Crypt of the villi. (5 Marks)
 - Briefly explain how to utilise grasses as an energy source for the well-being of human. (5 Marks)
- Discuss the major areas to be considered by the government in developing food policies to safeguard the nation’s health. (25 Marks)
- Write short notes on the following topics. (12.5 Marks each)
 - Approved functional foods available in the market
 - Briefly explain the role of chylomicrons in fat absorption.
- Explain how do food additives improve the quality and shelf life of foods. (25 Marks)