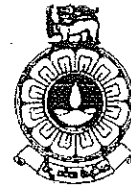


The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural & Plantation Engineering



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGI4559/ AGX4531 Food and Nutrition
Academic Year	: 2020/2021
Date	: 20 th February 2022
Time	: 9.30-12.30hrs
Duration	: 3 hours

Index No. _____

SECTION 2: Answer any four (04) questions.

- Sketch a diagram of human digestive system. (10 Marks)
 - Classify carbohydrates based on number of monomer units. (5 marks)
 - Explain the role of stomach in digestion process of ingested chicken fried rice in a human body. (10 Marks)
- Illustrate and label the Villi of a small intestine. (10 Marks)
 - Briefly explain why grass can be digested only by ruminants but not by mammals. (15 marks)
- Briefly explain why virgin coconut oil is better than vegetable oils. (10 Marks)
 - Briefly explain the role of chylomicron in fat absorption (15 Marks)

4. Write short notes on the following Two (02) topics (12.5 Marks each)
- (a) Approved functional foods available in the local market?
 - (b) Role of vitamin B as a nutrient
 - (c) Role of Vitamin K as a nutrient
 - (d) Lactose intolerance and type of recommended foods
5. Discuss how government policies effect on food security and health of a nation? (25 Marks)
6. "Food additives are substances added to a food to preserve, enhance flavour, or improve its taste and appearance" Critically evaluate this statement (25 Marks)