

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



Study Programme	: Bachelor of Industrial studies Honours in Agriculture
Name of the Examination	: Final Examination
Course Code and Title	:AGX4531/ AEX4231 Food and Nutrition
Academic Year	: 2017/18
Date	: 17 th January 2019
Time	: 0930-1230hrs

1. (a) "Amylopectin is highly branched polymer" Illustrate to show the structure of Amylopectin. (Marks 10)
 (b) Differentiate the structural differences between amylose and amylopectin in starch (Marks 12.5)
2. (a) "Grass is well digested by the ruminants but not by most of mammals". Critically evaluate the given statement. (Marks 12.5)
 (b) Illustrate and label the human alimentary canal. (Marks 12.5)
3. (a) Explain the fate of ingested fried fish in a human body. (Marks 12.5)
 (b) Briefly describe the role of portal vein in fat absorption. (Marks 12.5)
4. Briefly discuss how different food policy components are applicable to producer, consumer and marketing agent of a country? (Marks 25)
5. Write short notes on two (02) of the following topics. (Each question carry Marks 12.5)
 - a. Different factors effect on basic metabolic rate (BMR)
 - b. Milk products do not show traffic light colours to show the sugar content
 - c. Blood glucose level is controlled by insulin
 - d. Virgin Coconut oil is better than vegetable oils
6. "Rural poor is better than urban poor in terms of nutrition" Critically evaluates this statement. (Marks 25)

