



The Open University of Sri Lanka
Faculty of Engineering Technology
Final Examination- 2006
AEX4231/AED2218 Food and Nutrition

Date : 25- 04-2006
Time : 0930 -1230 hrs

SECTION 2: Answer only four (04) questions.

1. a) What are polysaccharides? Name two (02) plant polysaccharides and describe their chemical structure.
b) Discuss the importance of polysaccharides in human nutrition.
2. a) Write the classification of lipids based on their chemical composition and define each of them.
b) Discuss the role and uses of lipids in foods.
3. a) What is obesity? Discuss the causes of obesity.
b) Name all the dietary sources of calcium and discuss the function of calcium in human body.
4. a) List the enzymes involved in the carbohydrate and protein digestion.
b) Name the five main regions of human digestive system and discuss their functions in food digestion.
5. a) Discuss the role of liver in lipid digestion.
b) Briefly explain the fate of absorbed sugar in human body.
6. a) Briefly explain how do you determine the equilibrium price of a commodity.
b) Draw the demand curve of a commodity and explain how does this curve shift according to the following changes.
 - i) Change in income
 - ii) Change in price
 - iii) Change in taste