



The Open University of Sri Lanka
Faculty of Engineering Technology
Technology and Industrial Studies Programme
Final Examination- 2009/2010
AEX4231 Food and Nutrition

Date : 23-03-2010
Time : 1400-1700 hrs
Duration : Three (03) hours

Registration No: Index No.....

SECTION II: Answer any four questions.

- (1) (a) Explain the role of proteins in food industry and as food constituent.
(b) Write a brief account on "Carbohydrates in human diet".
- (2) (a) Discuss the importance of chemical properties of simple sugars.
(b) Explain the importance of polysaccharides in industrial applications.
(c) State the difference between glycogen and cellulose.
- (3) (a) "Stomach plays different roles in the process of digestion" comment on this statement.
(b) Briefly explain the abnormalities of metabolism can be expected due to the deficiencies of calcium, phosphorus and magnesium.
- (4) (a) What are the components of food policies? Briefly explain them.
(b) Briefly discuss the nature and dimensions of world food problems.
- (5) (a) briefly explain the role and use of lipids in foods.
(b) Describe the "fate of absorbed fat in human body".
- (6) Write short notes on any three (03) topics of the following.
(a) Modification of fats and oils.
(b) Role of insulin in human body.
(c) Catabolic pathway in metabolism.
(d) Provitamins and Antivitamins