



The Open University of Sri Lanka
Faculty of Engineering Technology
Bachelor of Industrial Studies Programme
Final Examination- 2010/2011
AEX4231 Food and Nutrition

Date : 13.03.2010
Time : 1400-1700
Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. (a) Briefly explain the factors affecting for human nutrition?
(b) Describe the short term and long term strategies to overcome the nutritional problems of developing country like Sri Lanka.
2. (a) What do you mean by food policy?
(b) Write an essay on food security program in Sri Lanka.
3. Explain the digestion process of the human alimentary canal.
4. Starch is the reserve carbohydrate of plant and occurs as granules in the cell in plastids, separate from the cytoplasm.
 - (a) Briefly explain occurrence of starch
 - (b) Explain the structure of homo polysaccharides or glucans.
 - (c) What is the importance of amylases in baking?
5. Critically evaluate this statement. "It is suitable to consume vegetable oil, coconut oil, soya oil for heart patients".
6. Write short notes on following topics.
 - a) Food as a source of energy
 - b) Pancreatic juice
 - c) Role of Insulin
 - d) Chemical properties of simple sugar