



The Open University of Sri Lanka  
 Faculty of Engineering Technology  
 Bachelor of Industrial Studies and Technology Programmes  
 Final Examination- 2012/2013  
**AEX4231 Food and Nutrition**

Date : 13.08.2013  
 Time : 0930-1230  
 Duration : Three (03) hours

---

**SECTION 2: Answer any four (04) questions.**

1. (a) Illustrate the digestive tract of human.  
 (b) Describe the fate of ingested elements in a main diet.
2. (a) Define the term glycolysis.  
 (b) Explain what will happen to the electron transport chain reactions under anaerobic condition?  
 (c) Briefly explain the function of the citric acid cycle (TCA)?
3. Discuss the importance of sustainable food system in the development process.
4. (a) What is ment by "lactose intolerance".  
 (b) As a nutrition advisor what kind of advices can you give to a patient with lactose intolerance?  
 (c) Briefly discuss the effects of malnutrition on countries economic growth?
5. Write short notes on following selected three (03) topics.
  - a) Importance of proteins
  - b) Government policies on food security
  - c) Importance of Lipid
  - d) Role of insulin in human body
6. "Vitamins should not be sold at the counter without the recommendation of medical practitioner or without a prescription" Critically evaluate this statement.