



The Open University of Sri Lanka
Faculty of Engineering Technology

Final Examination- 2006

AEX4231/AED2218 Food and Nutrition

Date : 21-04-2007
Time : 0930-1230 hrs

SECTION II: Answer only four (04) questions.

- (1) (a) Write a short account on "Classification of proteins according to their structure". Your answer should include three (03) examples for each class.
- (b) Discuss the importance of proteins in fundamental life processes in human body and as a food constituent in food industry.
- (2) (a) What is obesity? Briefly discuss the causes of obesity.
- (b) Write a short note on "Diseases caused by malnutrition and under nutrition conditions prevailing in some parts of Sri Lanka"
- (3) (a) "Stomach plays different roles in the process of digestion" comment on this statement.
- (b) Draw a detailed diagram to show the locations at which important nutrients are absorbed into blood stream from the gastro intestinal track.
- (4) (a) Explain how the following factors affect the demand of a commodity with the help of detailed graphs.
- Market price of that commodity.
 - Price of other commodities.
 - Income of the household.
- (b) Referring to a detailed graph briefly explain how you would determine the equilibrium price of a commodity.
- (5) (a) Briefly discuss the importance of gums and related substances in food industry. Name three (03) commonly used gums as food additives.
- (b) Describe the "fate of absorbed sugars in human body".
- (6) Write short notes on any three (03) topics of the following;
- (a) Modification of fats and oils.
 - (b) Roles of vitamin A in human health.
 - (c) Sources and utilization of amino acids.
 - (d) Provitamins and Antivitamins