

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES
BACHELOR OF SCIENCE HONOURS DEGREE EXAMINATIONS
DEPARTMENT OF APPLIED BIOLOGY AND BIOCHEMISTRY

THEORY: PRINCIPLES OF NUTRITION SBB4103

DECEMBER 2005

3 HOURS (100 marks)

INSTRUCTIONS

Answer FOUR (4) Questions. Each question carries 25 marks. Where a question contains subdivisions, the mark value for each subdivision is given in brackets. Illustrate your answer where appropriate with large, clearly labelled diagrams.

1. Nutrition intervention programmes have given specific attention to micronutrients including Vit A and iodine. Critically analyze the rationale and significance of such interventions.
2. Discuss the factors that limit availability of food and suggest solutions.
3. Write notes on nutritional requirements in:
(a) pregnancy and lactation of humans (13 marks)
(b) infancy and weaning of humans (12 marks)
4. Write an essay on the dietary relevance of proteins.
5. Identify the sources and functions of fats and discuss diseases related to the excessive consumption of fats.
6. Discuss the role of ca, P and Mn in the human body.

END OF EXAMINATION