



ELIZADE UNIVERSITY, ILARA-MOKIN

ONDO STATE

FACULTY: BASIC AND APPLIED SCIENCES

DEPARTMENT: PHYSICAL AND CHEMICAL SCIENCES

FIRST SEMESTER EXAMINATIONS

2015/2016 ACADEMIC SESSION

COURSE CODE: BCH 301

COURSE TITLE: NUTRITIONAL BIOCHEMISTRY

DURATION: 2.5 HOURS

HOD's SIGNATURE

m3leed

TOTAL MARKS: 60

INSTRUCTIONS: QUESTION NUMBER 1 IS COMPULSORY AND ANSWERS ANY
OTHER THREE QUESTION FROM QUESTION 2-5

- 1a. What is proximate composition
 - b. Differentiate between total energy and available energy in relation to energy value of nutrients
 - c. Write short note on diet and dietary balance
 - d. Calculate the total and available energy of a given food sample containing 20g of Protein, 5g of Fat and 75g of carbohydrate
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- 2a. Why is nitrogen used as an index for the protein content determination?
 - b. Give a concise description of the method of determining the crude protein content of a given food sample
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3. Describe the three general purposes of energy utilization by mammals
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4. Write a concise note on food poisoning
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- 5a. What is nutritional disorder?
 - b. Outline one nutritional disease each associated with the following class of food
 - i. Carbohydrate
 - ii. Proteins
 - iii. Vitamins
 - iv. minerals