



# MERU UNIVERSITY COLLEGE OF SCIENCE & TECHNOLOGY

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## University Examinations 2012/2013

SECOND YEAR, SECOND SEMESTER EXAMINATION FOR DEGREE OF  
BACHELOR OF SCIENCE IN FOOD SCIENCE AND NUTRITION

### AFN 2201: NUTRITIONAL ANTHROPOLOGY

DATE: DECEMBER 2012

TIME: 2 HOURS

INSTRUCTIONS: Answer question **ONE** and any other **TWO** questions

#### QUESTION ONE – 30 MARKS

- (a) What is Nutritional Anthropology? (2Marks)
- (b) Provide two indices used during Nutritional Anthropology of children. (3Marks)
- (c) Why is weight loss easier to address than height/length loss? (2Marks)
- (d) BMI (Body Mass Index) is an anthropometric indicator applicable for people of all age groups. Explain. (3Marks)
- (e) Anthropometric indicators for children are invalid without inclusion of age. Explain (2Marks)
- (f) What is the disadvantage of percent median as an anthropometric indicator? (2Marks)
- (g) Disgust and good taboos are nutritionally useful. Explain (1Mark)
- (h) Food choice and utilization is easy. Explain (10Marks)
- (i) Which factors have influenced the evolution of human diet? (5Marks)

#### QUESTION TWO – 20 MARKS

- (a) Provide 10 high impact interventions in Kenya in 2012 and the expected impact by Government of Kenya and key Nutrition partners. (10Marks)
- (b) Challenges of high impact interventions and proposed solutions in Kenya. (10Marks)

#### QUESTION THREE – 20 MARKS

- (a) Anthropometric indicators are classified according to objectives of their use. Discuss. (12Marks)

- (b) Define the following as used in Nutritional Anthropometry
- (i) Specificity (2Marks)
  - (ii) Sensitivity (2Marks)
- (c) Name the factors affecting specificity and sensitivity. (2Marks)
- (d) Give the use of Anthropometry at an individual level. (2Marks)

#### **QUESTION FOUR – 20 MARKS**

- (a) Developing countries are affected by both under and over Nutrition. Explain. (6Marks)
- (b) Outline strategies applied in Kenya for small scale food production. (4Marks)
- (c) Explain the challenges of persons living in emergency feeding programs. (4Marks)
- (d) Nutritional surveillance has a number of classifications. Explain. (6Marks)

#### **QUESTION FIVE – 20 MARKS**

- (a) Explain the following:
- (i) Supplementation (3Marks)
  - (ii) Food fortification (3Marks)
  - (iii) Dietary diversity (2Marks)
- (b) Food production in Kenya is both large scale and small scale. Discuss (6Marks)
- (c) With the onset of chronic diseases, what are the challenges affecting traditional institutions on food utilization. (4Marks)
- (d) Define validity and precision. (2Marks)