



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE

HFN 515N: NUTRITION IN EMERGENCIES

DATE: Thursday, 5th April, 2012

TIME: 9.00 a.m. – 12.00 p.m.

INSTRUCTIONS: Answer **ALL** questions in the answer booklet provided.

- I. You work as a nutritionist for an NGO in Nyando district. The area has been flooded due to heavy rains and thus the people's food stocks, livestock, houses and other belongings have been destroyed. Your organization is planning to undertake a Rapid Assessment in order to put into place interventions to help curb the problems of the people.
 - a. As a nutritionist, identify the type of information that you would collect and give reasons for your choice (6 marks).
 - b. After the initial Rapid Assessment, there is need to conduct a nutritional survey in order to get more precise information about the nutrition situation.
 - I. Giving reasons, state the **two** measurements you would use to express the level of malnutrition in the community. Indicate the cut-off points you would use to indicate global acute malnutrition (GAM) and severe acute malnutrition (SAM) using the **two** measurements (6 marks).
 - II. The GAM rate from the nutrition survey findings is 18.5% (12.6 – 22.5% 95% CI) based on the weight-for-height Z scores. Interpret this finding based on the WHO guidelines. Giving reasons, propose **three** nutrition responses that should be put into place (8 marks).
 - III. Explain why ENA for SMART is the preferred methodology for conducting nutrition surveys over the two-stage 30X30 cluster methodology in conducting nutrition surveys (6 Marks)
 - IV. Explain why ENA for SMART is the preferred methodology for conducting nutrition surveys over the two-stage 30X30 cluster methodology in conducting nutrition surveys (6 Marks)
- 2a. Differentiate between the following: (6 marks)
 - I. Selective Feeding Programmes and General Food Ratio (2marks)

II. Targeted and Blanket Supplementary Feeding Programmes (2 marks)

III. Anthropometric and Nutrition surveys (2 marks)

- a. State the admission and exit criteria for children under five years of age in supplementary feeding programmes (5 marks)
 - b. State two monitoring indicators of supplementary feeding programmes, indicating acceptable and alarming rates (4 marks)
- 3a. The following findings show trends in the nutritional situation in a refugee camp over 3 years. Interpret the trends in the nutrition situation over the 3-year period (5 marks).

Year	GAM (%)	SAM (%)
2009	25.3 [95% CI: 18.9 – 28.1]	4.6 [95% CI: 2.6 – 6.8]
2010	17.6 [95% CI: 12.9 – 20.3]	3.6 [95% CI: 2.6 – 4.8]
2011	14.6 [95% CI: 11.1 – 16.6]	2.5 [95% CI: 1.2 – 3.9]

- b. Explain the role of the SPHERE Standards in the provision of nutrition services in emergencies (4 marks)