



**KISII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**

**SPECIAL/SUPPLEMENTARY EXAMINATIONS**  
**THIRD YEAR EXAMINATION FOR THE AWARD OF THE**  
**DIPLOMA IN COMMUNITY NUTRITION AND DIETETICS**  
**FIRST SEMESTER, 2021/2022**  
**(JULY, 2022)**

**DNUD 0311: NUTRITION AND HEALTH IN EMERGENCIES**

**STREAM: Y3 S1**

**TIME: 2 HOURS**

**DAY: WEDNESDAY, 8:00 – 10:00 A.M.**

**DATE: 27/07/2022**

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**INSTRUCTIONS**

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE and any other TWO Questions.***

**QUESTION ONE (40 MARKS)**

- Explain why ENA for SMART is the preferred method for conducting nutrition surveys over the two-stage 30 by 30 cluster methodology. (5marks)
- Explain the nutritional status reflected by each of the following. (3marks)
  - Weight for height -1.4 Z score with presence of bilateral edema
  - BMI 15.6
  - MUAC for under-fives 128mm
- Comment on the trend of malnutrition in CAMP E between the year 2011 and 2015 as shown below;  
January 2011: Global Acute Malnutrition (GAM) 22.6% [95% CI 19.9-24.6]  
January 2015: Global Acute Malnutrition (GAM) 19.8% [95% CI 17.1-21.7] (4marks)
- Discuss how the findings of nutrition surveys can be used to improve the nutrition emergency situation. (5marks)
- Explain why weight for height index is commonly used in emergencies (4marks)
- Describe the major phases of an emergency/ disaster (6marks)

- g) Discuss the major challenges in nutrition during emergencies (4marks)
- h) Explain the importance of monitoring and evaluation of nutrition interventions in emergency situations. (3marks)
- i) Explain the role of the SPHERE project in the management of humanitarian assistance. (3marks)
- j) Describe how triple 'A' approach is used in tackling causes of malnutrition in emergencies. (3marks)

**QUESTION TWO (15 MARKS)**

You work as a nutritionist for humanitarian relief organization in Wajir district. One of the services provided by your organization is supplementary feeding programme (SFP) and therapeutic feeding programme (TFP)

- a) Explain the rationale/purpose of both supplementary feeding programmes and therapeutic feeding programmes. (4marks)
- b) State the admission and discharge criteria for;
  - i. TFP
  - ii. SFP (8marks)
- c) Explain other interventions apart from food distribution that you would integrate in the SFP (3marks)

**QUESTION THREE (15 MARKS)**

You are part of the team that has been charged with the responsibility to carry out a rapid nutritional assessment in order to provide humanitarian assistance to flood victims in Tana River District

- a) Giving reasons state the type of information that should be collected during the exercise (4marks)
- b) Explain the major sources from which you are likely to source the information (2marks)
- c) Elaborate on how the above collected information could be used in programme implementation (3marks)
- d) Describe the steps used in conducting the rapid nutrition assessment (6marks)

**QUESTION FOUR (15 MARKS)**

Community therapeutic care (CTC) is now replacing the traditional facility based therapeutic care.

- a) Discuss the fundamental principles on which CTC is based (4marks)
- b) Describe the components in the CTC (5marks)
- c) Explain the CTC innovations (3marks)
- d) Elaborate on the forms of treatment provided in the CTC (3marks)