

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# **UNIVERSITY EXAMINATIONS 2014/2015**

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN HUMAN NUTRITION AND DIETETICS**

**AFD 2304: NUTRITION DISORDERS**

**DATE: DECEMBER 2014 TIME: 2 HOURS**

**INSTRUCTIONS:**

**ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER TWO IN SECTION B**

**SECTION A CARRIES 30 MARKS AND SECTION B CARRIES 40 MARKS**

==========================================================

**SECTION A [30 MARKS]**

**QUESTION ONE**

1. Define the following Nutritional disorders [10 marks]
2. Ariboflavinosis
3. Keratomalacia
4. Cretinism
5. Gingivitis
6. Wet beriberi

**QUESTION TWO**

Discuss the dosage and benefits of Vitamin A to children under five year [10 marks]

**QUESTION THREE**

1. Differentiate between Anorexia navosa and bulimia [4 marks]
2. Name four diseases associated with folic acid deficiency among the children [2 marks]
3. Name the different nutritional indices and what they measure [4 marks]

**SECTION B [40 MARKS]**

**QUESTION FOUR [20 MARKS]**

You have been invited to give a public health and wellness talk to Makueni members of county assembly on the double burden of disease in Africa, with specific focus to over nutrition.

1. Discuss in detail what you will present to the country assembly members on over weight and obesity. Kindly outline the different sub headings of your presentation [15 marks]
2. Discuss 5 dietary considerations in management of diabetes mellitus. [5 marks]

**QUESTION FIVE**

James who is 4 months old has just arrived at Gachororo district hospital.. on examination, he looks pale, has s flaky skin and is lethargic but not in shock. His mother reports that he has had diarrhea and there is no blood in his stool. She also reports that he has had sunken eyes since the previous day. Anthropometrically, he weight for height is <-4 Z-scores and has bilateral oedema on both his legs and feet. His auxiliary temperature is 34.90C and his random blood glucose is 2.4 mmol //

1. How would you categorize James level of malnutrition ? Give 5 reasons [6 marks]
2. Detail the steps in your initial management of James [14 marks]

**QUESTION SIX**

Iron deficiency anaemia is one of the highest forms of malnutrition in the world and some developing countries in Africa have very high prevalence among under 5 years and women of reproductive age.

1. Discuss 4 different interventions you would recommend to address IDA in these parts of Africa. [16 marks]
2. Briefly explain the dangers associated with mass iron administration in malaria endemic areas and how to overcome the challenge [4 marks]