

BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
NUTRITION AND DIETETICS PROGRAM
2019/2020 FIRST SEMESTER EXAMINATION

COURSE CODE: NTD 315
TIME: 2HRS

COURSE TITLE: CLINICAL NUTRITION
INSTRUCTION: ANSWER FOUR QUESTIONS

All questions carry equal marks.

- 1 a. What is clinical nutrition? Enumerate 5 obligations of a clinical nutritionist towards colleagues. *6 marks*
b. Describe Protein Energy Malnutrition (PEM), how it occurs and highlight its consequences. *11.5 marks*
- 2 a. Why is recognizing a patient's hydration state important for the correct interpretation of clinical and biochemical assessment of nutritional status? *4.5 marks*
b. What are the biochemical markers and causes of dehydration? *5 marks*
c. Differentiate between the clinical signs of marasmus and kwashiorkor. *8 marks*
- 3 Describe the deficiencies, treatments and food sources of the following micronutrients- folate, vitamin D, vitamin C, thiamin and niacin. *17.5 marks*
- 4 a. What are the differences between peripheral and total parenteral nutrition? *6 marks*
b. Give 4 factors to consider in determining the route of tube feedings to be used for patients. *4 marks*
c. Explain the term 'severe acute malnutrition' (SAM) indicating the diagnostic criteria for SAM in children 0-60 months. *7.5 marks*
- 5 a. The clinical classification of malnutrition can be done by severity or duration, explain. *4 marks*
b. Write short notes on the hospital management/ treatment of severe acute malnutrition. *9.5marks*
c. Differentiate between food intolerance and food allergy. *4 marks*
- 6 a Define the following;
i. Enteral nutrition iv. Jejunostomy vii Anaphylaxis
ii. Orogastric feeding v. Enterostomy viii. Gerontology
iii. Gastrostomy vi. Nasogastric feeding ix. Geriatrics
b. Highlight the factors affecting nutrition status of the aged *9 marks*
8.5 marks