

**BOWEN UNIVERSITY, IWO
COLLEGE OF HEALTH SCIENCES
NUTRITION AND DIETETICS PROGRAM
2020/2021 SECOND SEMESTER EXAMINATION**

**COURSE CODE: NTD 412
CREDIT UNIT: 3**

**COURSE TITLE: ADVANCES IN NUTRITION AND
DIETETICS**

TIME: 2HRS 30 MIN

**INSTRUCTION: ANSWER FIVE QUESTIONS IN ALL
WITH AT LEAST ONE FROM EACH SECTION**

Section A

- 1a. Discuss four (4) nutritional interventions to prevent the Foetal Origin of Adult Diseases (6 marks)
- b. Highlight 4 methods of measuring body fat composition, giving an advantage and disadvantage of each method. (8 marks)
- 2a. What are the Obligations of the government as it relates to the right to food (6 marks)
- b. Climate change increases the overall risk of hunger and undernutrition, discuss (8 marks)

Section B

3. As a member of the medical team to manage severe acute malnourished child, give details steps to reverse the condition to normal nutritional status. (14marks)
4. In recent times nutrition and immune system is gaining attention in public health. Discuss giving specific examples of nutrients role in infection. (14marks)

Section C

5. During nutrition counselling, a client asked if genetically modified foods (GMFs) are safe for consumption. Explain to the client
- a.) what genetic modified foods are
- b.) citing examples,
- c.) clarify the issues on GMFs giving assurance of its safety
- d.) and possible benefits on its modification. (14 marks)
6. In recent times, it has been discovered in practice that humans need to match the food intake to their genes. Kindly enlighten on the interaction of nutrition on gene expression. (14 marks)