BOWEN UNIVERSITY, IWO COLLEGE OF HEALTH SCIENCES NUTRITION AND DIETETICS PROGRAMME 2023/2024 SECOND SEMESTER EXAMINATION

COURSE CODE: NTD 412

COURSE TITLE: ADVANCES IN NUTRITION AND

CREDIT UNIT: 3

DIETETICS

TIME: 2HRS 30MIN

INSTRUCTION: ANSWER FIVE QUESTIONS WITH

AT LEAST ONE FROM EACH SECTION

Section A

1. a. Define the term "genetically modified food".	4marks	
b. Discuss four health implications of genetically modified food	10marks	
 a. Discuss five importance of nutrition in sporting exercise b. List six functional food, their sources and health benefits 	5marks 9marks	
Section B		
3. Discuss four ways by which nutrition impacts immunity	14marks	
4. Explain two roles of ICT in the following:		
i. Simplifying dietary assessment process	4marks	
ii. Benefits of use of ICT in dietary assessment	4marks	
iii. Potential limitation of use of ICT in dietary assessment	3marks	
 Proposed strategies to address challenges of use of ICT in dietary assessment 	3marks	
5. Explain two impacts of climate change on the following		
i. Global food production and human nutrition	5marks	
ii. Food systems and greenhouse emissions	5marks	

Section C

iii.

6. a. Write briefly on personalized nutrition

Human health

4marks

4marks

- b. The "fetal origins" hypothesis postulates that conditions, most likely nutritional, "program" the fetus for the development of chronic diseases in adulthood. Write briefly on the following chronic diseases attributed to developmental origin of disease
- i) Hypertension

5marks

ii) Chronic kidney disease (CKD)

5marks

7. a) List four common misconceptions about right to food.

4marks

- b) i) People who live in different continents of different geographical regions and climates exhibit varieties of body composition. Write on the factors responsible for body composition?

 5 marks
 - ii) Briefly explain 5 different methods for assessing of body composition? 5marks



