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

COURSE CODE: NTD 415COURSE TITLE: TOXICANTS IN FOODCREDIT UNIT: 3INSTRUCTION: ANSWER FIVE QUESTIONSTIME: 2HOURS 30MINUTESINSTRUCTION: ANSWER FIVE QUESTIONSAT LEAST 2 FROM EACH SECTION

Section A

 a. Define the term street food and three reasons why it is on the increase b. i) List and discuss the seven principles of HACCP in food safety ii) List three reason why hygiene practice is important in food safety c. Mention three food borne disease that can results from the consumption of street for 	4marks 7marks 1.5marks oods 1.5marks
 2. a. Highlight five reasons why Nutrition Labelling is important b. List five each of consumers rights and responsibilities c. State two importance of consumer education 	5marks 5marks 4marks
3. a. Define food safety b. Explain three food hazards that can result in food contamination and give three exan	9marks
c. Mention three health implications of food safety	3marks
Section B	
 4. a) Exposure to toxicants normally occurs through inhalation, skin or eye contact, and Differentiate between the acute and chronic effect of toxicants. b) Food intoxications are caused by eating foods containing natural toxins or, momicrobes that produce toxins. Write briefly on the following: 	6marks ore likely,
 i) Clostridium botulinum ii) Actions to help prevent foodborne illnesses 	4marks 4marks
5. Many factors affect the reaction of an organism to a toxic chemical. Write briefly on t influencing toxicity.	he factors 14marks
 6. a) Mention the ways in which humans are protected from the harmful effects toxicants. b) There are a large number of natural toxic chemicals in our daily diet. Write briefly following toxicants: 	2marks
 i) Mycotoxins ii) Polycyclic aromatic hydrocarbons iii) Cyanides 	4marks 4marks 4marks