BIOC 324/ BSLT 436



BIOC 324/ BSLT 436: FOOD BIOCHEMISTRY

STREAM: Y3 S2

TIME: 2 HOURS

DATE: 10/05/2022

DAY: TUESDAY, 12:00 PM - 11:00 PM

INSTRUCTIONS:

1. Do not write anything on this question paper.

2. Answer all questions in section A and any TWO in section B.

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

1)	Differentiate between	food storage	and food	preservation.	3 marks)
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2) Define fiber and discuss the mechanisms that determine their health impact. (3 marks)

3) Illustrate the role of lipase and lipoxygenase. (3 marks)

4) Define the following terms:

- a) Cofactor
- b) Nutrition
- c) Electrolyte
- d) Resistant starch
- e) Food spoilage

5) What is nutrition? Briefly explain the concept of human diet. (5 marks)

6) Briefly explain the major causes of food spoilage. (5 marks)

7) What are the factors affecting nutritive value of vegetables? Briefly describe them. (8 marks)

8) Enumerate the biochemical composition of fruits. (8 marks)

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(5 marks)

SECTION B: ANSWER ANY TWO QUESTIONS (30 MARKS)

9) Discuss biochemical composition and food value of fruits.	(15 marks)			
10) Discuss the objectives of post-harvest technology and explain post-				
harvest losses.	(15 marks)			
11) Describe in details fundamentals of food processing.	(15 marks)			