## GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

**JUNE 2025** 

ADVANCED LEVEL

C. L. C. Trial	ADVANCED LEVEL	
Subject Title	FOOD SCIENCE AND NUTRITION	
Paper No./Title	Paper 2 (ESSAY TYPE)	
Subject Code No.	0740	

**Duration: Three Hours** 

## INSTRUCTIONS TO CANDIDATES

Candidates are required to answer FOUR questions, choosing one question from each section Each question carries 25 marks.

You are reminded of the necessity for good English and orderly presentation in your answers.

## SECTION A

. (a) Elaborate the role of Recommended Dietary Allowance (RDA).	(4 marks)
(b) Describe three (3) factors that affect RDA.	(6 marks)
(c) Give the importance of the following nutrients to the body:	
(i) Carbohydrates	(5 marks)
(ii) Proteins	(5 marks)
(iii) Fats	(5 marks)
	(Total =25 marks)
2. (a) Classify carbohydrates indicating their, examples, sources and functions.	(9 marks)
(b) Differentiate between poaching and simmering.	(4 marks)
(c) In a tabular form, enumerate the different types of fat-soluble vitamins indicating their source	
functions.	(8 marks)
(d) Outline the effects of wet heat on starch.	(4 marks)
	(Total =25 marks)
SECTION B	
. (a) Using your knowledge on food related diseases, explain the causes, signs and symptoms, pr	eventive measure on the
following;	
(i) Gout	(5 marks)
(ii) Goitre	(5 marks)
(iii) Peptic ulcer	(5 marks)
(b) State and explain the possible ways by which household food security can be improved.	(10 marks)
	(Total=25 marks)
. (a) (i) Define the term "Food Quality Control".	(2 marks)
(ii) Explain how a food manufacturing company carries out an effective food quality	82 marks,
control in Cameroon.	(5 marks)
(iii) Explain the problems faced by consumers in Cameroon in relation to food.	(8 marks)
(b) Bring out the differences between Food laws and Food standards in relation to food quality.	(6 marks)
(c) State four (4) importance of Consumer Education.	(4 marks)
	(Total = 25 marks)
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5. (	a) Explain the following basic terms used in food science.	
	(i) Antioxidant .	
	(ii) Flavouring agent	(2 marks)
	(iii) Antimicrobial growth	(2 marks)
	(iv) Sweeteners	(2 marks)
(b	Write short notes on the following methods of preservation with examples.	(2 marks)
	(i) Pasteurization	119
	(ii) Freezing	(4 marks)
0,	(iii) Chemical	(4 marks)
(c	Give five (5) reasons why we should preserve food.	(4 marks)
	of should preserve food.	(5 marks)
	The second of th	(Total =25 marks)
6. (a	a) (i) Differentiate between cereals and legumes.	(5 montes)
	(ii) Give the role of cereals in the diet.	(5 marks)
(t	(i) Define kilning and give its advantages in beer fermentation.	(3 marks)
•	(ii) With the aid of an equation briefly explain what happens during fermentation of corr	(5 marks)
(0	Explain the difference between oil-in-water emulsion and water-in-oil emulsion.	
		(6 marks)
4	- $(S)$ $(S)$	(Total =25 marks)
	SECTION D	1/4
7. (a) Brie	fly explain the following terms with examples;	-0/
	Food fads	
(ii)	Food fallacies	(4 marks)
(jji)	Food Taboos	(4 marks)
(iv)	Outline three (3) factors affecting food habits.	(4 marks)
	ance five factors that affect food production in your community.	(3 marks)
# 09 1 TO 6 :	The racions that affect food production in your community.	(10 marks)
7		(Total =25 marks)
3. (a) Iden	tify five (5) causes of Protein Energy Malnutrition (PEM).	(5 marks)
(b) Differentiate between Organic and Inorganic foods.		(8 marks)
(c) Sugg	est ways by which water can be treated to make it portable on a large scale in Cameroon.	
(d) Plan a lunch for a strict vegetarian.		(6 marks)
	The total and regetation.	(6 marks) (Total =25 marks)
-		(Total -25 marks)