05/104
DOD SCIENCE, FOOD SAFETY AND
YGIENE, MEAL PLANNING MANAGEMENT
ND SERVICE THEORY
[arch/April 2020
ime: 3 hours



## THE KENYA NATIONAL EXAMINATIONS COUNCIL

### **CRAFT CERTIFICATE IN NUTRITION AND DIETETICS**

#### MODULE I

FOOD SCIENCE, FOOD SAFETY AND HYGIENE, MEAL PLANNING MANAGEMENT AND SERVICE THEORY

3 hours

#### INSTRUCTIONS TO CANDIDATES

This paper consists of TWO sections; A and B.

Answer ALL questions in section A and any TWO questions from section B in the answer booklet provided.

Each question in section A carries 4 marks, while each question in section B carries 20 marks. Maximum marks for each question are as indicated.

Candidates should answer the questions in English.

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

# SECTION A (60 marks) Answer ALL the questions in this section.

	。 第一章		
1.	State four external factors to consider in determining quality of food.	(4 marks	
2.	Describe the following processes used in food preservation:		
	(a) pickling;	(2 marks)	
	(b) smoking.	(2 marks)	
3.	Zack is very particular on the type of oil used in his restaurant. Identify four plant of oil that he may use in cooking.		
4.	State four ways in which cross-contamination of foods can occur in the kitchen.	(4 marks)	
5.	Give two examples of food hazards in each case:		
	(a) chemical hazards;	(2 marks)	
	(b) biological hazards.	(2 marks)	
6.	Distinguish between 'HACCP plan' and 'HACCP system.	(4 marks)	
7.	Donny is an obese 26 year old. He has been advised by his doctor on healthy feeding.  Indicate to Donny four benefits he will derive from planning healthy meals. (4 marks)		
8.	Nelly is organizing an afternoon visit for her office mates in her home. She is considering serving a high tea. Mention four factors she may consider when selecting the food items.  (4 marks)		
9.	Give four reasons why the correct design and layout of a food premises is important		
10.	Highlight four advantages of a catered buffet type of meal service.	(4 marks)	
11.	Explain the following concepts that are used in HACCP:		
	(a) control point;	(2 marks)	
	(b) corrective action.	(2 marks)	
12.	Suggest four good personal hygiene habits practiced in the kitchen.	(4 marks)	
13.	Explain four factors to consider when selecting commercial ford	(4 marks)	
		(4 lines	

Desc	ribe the following types of meals that a hotel entrepreneur can serve guests:	
(a) (b)	gala dinner; carnivore.	(2 marks) (2 marks)
High	light four qualities of fresh pork.	(4 marks)
	SECTION B (40 marks)  Answer any TWO questions from this section.	
	and the questions from this section.	
(a)	Indicate eight uses of food additives.	(8 marks)
(b)	Shawn likes to host in his house upcountry. Describe six essential dinning practices that he would expect his guests to observe while dinning.	etiquette (12 marks)
(a)	Describe each of the following developments in food technology:	
	<ul><li>(i) process optimization;</li><li>(ii) high-temperature short time processing.</li></ul>	(2 marks) (2 marks)
(b)	Explain three benefits of food preservation using low temperatures.	(6 marks)
(c)	Mulei intends to sensitize his kitchen staff on food hygiene. Explain five he foods he would mention that cause food poisoning.	igh-risk (10 marks)
(a) ,	Give three reasons why HACCP is important in the food industry.	(6 marks)
(b)	Shadia, a 2nd year student is studying about food nutrients. Highlight two classifications of protein that she may need to know.	(4 marks)
(c)	Outline five factors considered when planning meals for children.	(10 marks)
(a)	State the five preliminary tasks involved in the development of the HACC	P plan. (5 marks)
(b)	Mandi has a pastry shop that she runs with her younger brother. Of late, he have raised a complaint on the change of quality in her cheese products. So five factors that may affect the yield of cheese.	er customers Suggest (5 marks)

(c) Explain five guidelines used for effective application of the pickling process in food preservation. (10 marks)

THIS IS THE LAST PRINTED PAGE.