UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

FOOD AND NUTRITION

6065/01

Paper 1 Theory

October/November 2004

2 hours

Candidates answer Section A on the Question Paper.

Additional Materials: Answer Booklet/Paper

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use a soft pencil for any diagrams or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

Section A

Answer all parts of Question 1 in the spaces provided on the Question Paper.

You are advised to spend no longer than 45 minutes on Section A.

Section B

Answer any **four** questions.

Write your answers on the separate Answer Booklet/Paper provided.

At the end of the examination, fasten all your work securely together.

Enter the numbers of the Section B questions you have answered in the grid below.

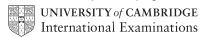
The number of marks is given in brackets [] at the end of each question or part question.

If you have been given a label, look at the details. If any details are incorrect or missing, please fill in your correct details in the space given at the top of this page.

Stick your personal label here, if provided.

For Examiner's Use
Section A
Section B
Total

This document consists of 6 printed pages and 2 blank pages.



Section A

Answer all questions.

1	(a) (i)		ree functions of protein.	
	(ii)	Name th	ne nutrients which combine to form protein.	
	(:::)		Define the term (Himb Distantial Value (HDV) matein?	[2]
	(iii)	(a) (i)	Define the term 'High Biological Value (HBV) protein'.	
		(ii)	Name four foods which are good sources of HBV protein.	
		(b) (i)	Define the term 'Low Biological Value (LBV) protein'.	
		(ii)	Name four foods which are good sources of LBV protein.	[1]
		(c) (i)	What are complementary proteins?	[2]
		(ii)	Give two examples.	

(b)	(i)	Describe the digestion and absorption of protein.	
			[6]
	(ii)	What is meant by deamination of protein?	
/- \	Λ	adamenta sumulu af Nam Charab Daluasaabarida (NCD) is an accontial in a baalibu diat	[2]
(C)		adequate supply of Non-Starch Polysaccharide (NSP) is an essential in a healthy diet.	
	(i)	Explain how NSP is used by the body.	
			••••
	(ii)	Name four good sources of NSP.	
	` '		
			[2]
			-

(d) (i)	State three reasons for including sodium chloride (salt) in the diet.			
	[3]			
(ii)	Name two situations in which individuals will require additional salt. Give a reason for each of your answers.			
	[2]			
(iii)	What would be the result of a diet lacking in salt?[1]			
(iv)	Explain six ways of reducing salt in the diet.			

Section B

Answer four questions

2	(a)	List six nutrients in red meat.	[3]
	(b)	Suggest four methods of tenderising tough meat before cooking.	[2]
	(c)	Name two moist methods of cooking meat. Describe the changes which take place when meat is cooked by one of these methods.	[5]
	(d)	Current nutritional advice is to reduce the intake of red meat. Give reasons for this statem and suggest alternative foods.	nent [5]
3	(a)	List five methods of introducing air into mixtures. Give an example for each method.	[5]
	(b)	The following list of ingredients can be used to make plain scones.	
		200 g (8 oz) plain flour 4 level teasp. baking powder 1/2 level teasp. salt 50 g (2 oz) margarine, lard or other hard fat 125 ml (1/4 pt) milk	
		Describe, with reasons, the method for making and baking scones.	[6]
	(c)	Name two ingredients which could be used to vary the mixture.	[1]
	(d)	Name the gas used as the raising agent in scones and explain:	
		(i) how it is produced in the mixture;	
		(ii) how it makes the scones rise.	[3]
4	Wri	te an informative paragraph on each of the following:	
	(a)	making shortcrust pastry	[5]
	(b)	cooking with cheese	[5]
	(c)	garnishing and decorating	[5]
5	(a)	List five reasons for cooking food.	[5]
	(b)	How can money be saved when	
		(i) buying food;	[5]
		(ii) cooking food.	[5]

6	(a)	in each case, why the information is important.			
	(b)	Nutritional information is often shown on a label. Name two groups of people who would find this information useful. Give reasons for your answer. [4]			
	(c)	Disc	cuss the use of additives in food.	[5]	
7	(a)	(i)	List the causes of food spoilage.	[2]	
		(ii)	State four conditions which encourage the growth of micro-organisms.	[2]	
	(b)	Free	ezing is often used to preserve food. Explain:		
		(i)	how freezing prevents food spoilage;	[2]	
		(ii)	the reason for 'fast freezing' food.	[2]	
	(c)	(i)	Give the temperature at which a domestic refrigerator should operate.	[1]	
		(ii)	What would happen if the temperature in the refrigerator was:		
			(a) too high;		
			(b) too low.	[1]	
		(iii)	State and explain five rules to observe when storing food in a refrigerator.	[5]	

BLANK PAGE

BLANK PAGE

University of Cambridge International Examinations is part of the University of Cambridge Local Examinations Syndicate (UCLES) which is itself a department of the University of Cambridge.