CAMBRIDGE INTERNATIONAL EXAMINATIONS

Joint Examination for the Higher School Certificate and General Certificate of Education Advanced Level

FOOD STUDIES

9336/1

PAPER 1 Theory

OCTOBER/NOVEMBER SESSION 2002

3 hours

Additional materials: Answer paper

TIME 3 hours

INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number in the spaces provided on the answer paper/answer booklet.

Answer four questions.

Answer two questions from Section A and two questions from Section B.

Write your answers on the separate answer paper provided.

If you use more than one sheet of paper, fasten the sheets together.

INFORMATION FOR CANDIDATES

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

You are reminded of the need for good English and clear presentation in your answers.

Section A

Answer **two** questions from this section.

1	An a	An adequate supply of iron and calcium is necessary in a balanced diet.					
	(a)	For each of these minerals:					
		(i)	describe its absorption and use in the body;				
		(ii)	discuss the effects of a deficiency;				
	((iii)	identify groups of the population who might suffer from a deficiency.	[22]			
	(b)	Sug	gest how adequate amounts of iron and calcium could be obtained from foods avai Illy.	lable [3]			
2	(a)		cuss dietary advice recommending the reduction of fat, sugar and salt and the incre- ke of fresh fruit and vegetables.	ased [20]			
	(b)		lain why people who consume convenience foods regularly could have difficulty follo advice.	wing [5]			
3	(a)	Wha	at do you understand by Recommended Daily Intakes (RDIs)?	[3]			
	(b)	•	lain the different nutritional needs of a teenage girl and a moderately active elenan.	derly [12]			
	(c)	Disc	cuss factors which influence an individual's choice of food.	[10]			
4	(a)		lain the structure and characteristics of different groups of carbohydrates and mples of where each can be found.	give [14]			
	(b)	Des	scribe the digestion of carbohydrates.	[5]			
	(c)	Ехр	lain and identify factors which affect BMR.	[6]			

Section B

Answer **two** questions from this section.

5	(a)	Exp	lain the importance of each of the following for achieving successful flaky pastry:			
		(i)	ingredients;			
		(ii)	method;			
		(iii)	baking.	[0.0]		
				[20]		
	(b)	Disc	cuss the use of frozen, ready-made puff pastry.	[5]		
6	(a)	Disc	cuss the relationship between temperature control and food preservation.	[13]		
	(b)	Exp	lain and give examples of the following methods of preservation:			
		(i)	Accelerated Freeze Dried (AFD);			
		(ii)	pickling;			
		(iii)	irradiation.			
				[12]		
7	(a)	Def	ine the term <i>enzymes</i> .	[3]		
	(b)	Disc	cuss the part played by enzymes in:			
		(i)	tenderising meat;			
		(ii)	making bread with yeast;			
		(iii)	food spoilage;			
		(iv)	the destruction of vitamin C in green vegetables;			
		(v)	the digestion of protein.	[00]		
				[22]		
8	Eggs are an excellent source of High Biological Value (HBV) protein.					
	(a)		cuss the different uses of eggs in food preparation, giving scientific explanations for cesses involved in each of the uses mentioned.	or the [15]		
	(b)	Stat	te and explain the effect of temperature and cooking time on eggs.	[5]		
	(c)	Ехр	lain the changes which take place in eggs during storage.	[5]		

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