

FOOD STUDIES

Paper 1

9336/01 October/November 2013 3 hours

Additional Materials: Answer Booklet/Paper

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet. 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, graphs or rough working. Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **four** questions, **two** from Section A and **two** from Section B. Write your answers on the separate Answer Booklet/Paper provided. You are reminded of the need for good English and clear presentation in your answers.

At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **4** printed pages.



[Turn over

Section A

Answer **two** questions.

Many people suffer from deficiency diseases at some stage of their life. 1

Discuss the causes, symptoms and remedies for the following deficiency diseases:

	(a)	anaemia;			
	(b)	osteoporosis;	[5]		
	(c)	goitre;	[5]		
	(d)	night-blindness;	[5]		
	(e)	scurvy.	[5]		
2	Dise	cuss:			
	(a)	the digestion of food in the small intestine;	[12]		
	(b)	the absorption of nutrients in the ileum.	[13]		
3	Fate	s and oils have different characteristics and have many different uses in the preparation of dishe			
	(a)	Discuss this statement, illustrating your answer with named examples of fats and oils.	[10]		
	(b)	Explain the following terms relating to fats and oils:			
		(i) rancidity;	[3]		
		(ii) smoke point;	[3]		
		(iii) hydrogenation.			
	(c)) Current nutritional advice is to reduce the amount of fat in the diet.			
		Give reasons for this advice.	[6]		
4	(a)	Describe the primary and secondary structure of protein.	[6]		
	(b)	Proteins can be classified as globular or fibrous.			
		Discuss the characteristics and properties of each type, illustrating your answer with nar examples.	med [7]		
	(c)	Explain, with examples, the effects of the following on protein:			
		(i) heat;			
		(ii) agitation;			
		(iii) acids.	[8]		
	(d)	Define deamination and discuss its importance in nutrition.	[4]		

Section **B**

3

Answer two questions.

5	(a)	Disc	cuss factors which influence the choice of food for individuals in your area.	[15]		
	(b)		te your understanding of the term <i>Recommended Daily Intake (RDI)</i> and discuss ortance to the individual.	its [3]		
	(c)		ritional information, although not a legal requirement, can be found on many fe kages.	ood		
		Disc	cuss the importance of this information to the consumer.	[7]		
6	(a)		ntify different reasons for including sauces when planning and preparing meals. G mples to illustrate your answer.	àive [6]		
	(b)	Des	scribe and explain the following processes which may occur when making sauces:			
		(i)	gelatinisation;	[5]		
		(ii)	emulsification;	[5]		
		(iii)	coagulation.	[5]		
	(c)	Ехр	lain the term syneresis and give examples to support your answer.	[4]		
7	(a)	Disc	cuss factors which may make food dangerous to consume.	[10]		
	(b) Many outbreaks of food poisoning can be traced to poor preparation, cooking chicken.					
		Explain why it is important to:				
		(i)	thaw frozen chicken completely before cooking;			
		(ii)	cook chicken thoroughly;			
		(iii)	serve immediately.	[10]		
	(c)	Free	ezing is a popular method of preserving food.			
		(i)	Explain the principles of deep freezing.			
		(ii)	Give advice on the use of a domestic freezer.	[5]		

- 8 Milk is often referred to as a perfect food.
 - (a) Identify the nutrients in milk and explain the importance of each nutrient for the development of babies. [12]
 - (b) Discuss problems associated with a diet which consists only of milk. [6]
 - (c) Consider the advantages and disadvantages of breast-feeding and bottle-feeding using formula milk. [7]

[Section B Total: 50 marks]

[Total for Paper: 100 marks]

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