

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
A2 GCE
G004/01

HOME ECONOMICS
Food, Nutrition and Health
Nutrition and Food Production

FRIDAY 18 JANUARY 2013: Afternoon

DURATION: 1 hour 30 minutes
plus your additional time allowance

MODIFIED ENLARGED 18pt

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- There are two sections in this paper.

SECTION A 25 MARKS

Answer question 1.

SECTION B 50 MARKS

Answer TWO questions only.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 75.
- You will be awarded marks for the quality of your written communication in your answers to the questions in Section B.

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SECTION A

Answer ALL PARTS of question 1.

1 (a) (i) Name TWO fat soluble vitamins.

1 _____

2 _____ [2]

(ii) State where the fat soluble vitamins are stored in the body.

_____ [1]

(b) (i) State TWO functions of vitamin B1 (Thiamin) in the body.

1 _____

2 _____

_____ [2]

(ii) Identify TWO different good sources of vitamin B1.

1 _____

2 _____ [2]

(iii) State the deficiency disease associated with vitamin B1.

_____ **[1]**

(c) (i) Name ONE novel source of protein.

_____ **[1]**

(ii) Explain TWO reasons for the increase in demand for novel sources of protein.

1 _____

2 _____

[4]

(d) Market research and consumer testing are two of the costs involved with the development of a new food product.

Explain TWO other costs involved in the development of a new food product.

1 _____

2 _____

[4]

[illegible]

SECTION B

Answer TWO questions ONLY.

The quality of written communication will be assessed in your answers to the questions in Section B.

- 2 Carbohydrates have important dietary functions. Explain the role of carbohydrates in maintaining good health. [25]**
- 3 Explain the importance of food labelling and the current approaches to nutritional labelling used by the food industry. [25]**
- 4 Discuss the choice and use of dairy products in food preparation and cooking. [25]**

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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