

**Thursday 21 June 2012 – Afternoon**

**A2 GCE HOME ECONOMICS  
Food, Nutrition and Health**

**G004/01** Nutrition and Food Production

Candidates answer on the Question Paper.

**OCR supplied materials:**  
None

**Other materials required:**  
None

**Duration:** 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

- Write your name, centre number and candidate number in the boxes above. 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.
- Do **not** write in the bar codes.

**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.
- This document consists of **16** pages. Any blank pages are indicated.

**Section A**

Answer **all** questions.

1 (a) (i) State **one** good dietary source of animal fat.

..... [1]

(ii) State **one** good dietary source of plant or vegetable oil.

..... [1]

(iii) Give **three** functions of fat in the body.

1. ....

.....

.....

2. ....

.....

.....

3. ....

.....

..... [3]

(b) (i) State **one** good food source of dietary fibre.

..... [1]

(ii) Explain **one** function of dietary fibre in the body.

.....

.....

..... [2]



(e) (i) Market research is used in the design and development of food products. Identify **two** methods of market research.

1. ....

2. .... [2]

(ii) Explain **one** advantage of market research to a food manufacturer.

.....

.....

..... [2]

(f) Explain **two** behaviour changes that occur during the production of shortcrust pastry.

1. ....

.....

.....

2. ....

.....

..... [4]

**Section A Total 25 marks**

**Section B**

Answer **two** questions **only**.

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

- 2 Discuss the nutritional value, choice and use of meat in food preparation and cooking. [25]
- 3 Explain the costs involved in the design, development and production of food products. [25]
- 4 Explain how the food industry has responded to lifestyle changes to create the range and type of food products available today. [25]

**Section B Total 50 marks**

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