



**ADVANCED GCE**  
**HOME ECONOMICS**  
**Food, Nutrition and Health**  
 Nutrition and Food Production

**G004**

Candidates answer on the Question Paper

**OCR Supplied Materials:**  
None

**Other Materials Required:**  
None

**Tuesday 2 February 2010**  
**Morning**

**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 clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- 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.
- Write your answer to each question in the space provided.

**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 parts** of Question 1.

1 (a) Plants and vegetables are an important source of protein in the diet.

Name **two** foods that are a good source of vegetable protein.

1. ....

2. .... [2]

(b) Describe **one** dietary function of protein.

.....

.....

..... [2]

(c) Proteins have a biological value.

State the difference between high biological value and low biological value proteins.

.....

..... [1]

(d) Describe **two** effects of a calcium and vitamin D deficiency in the diet.

1. ....

.....

.....

2. ....

.....

..... [4]





**Section B**

Answer **two** questions only.

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

- 2** Several factors affect food production in the UK.

Discuss how environmental and moral concerns, health issues and social change affect the food industry. **[25]**

- 3** Explain the nutritional and dietary needs of the elderly. **[25]**

- 4** Discuss the importance of food packaging and describe the range of materials used to package food. **[25]**

**Section B Total 50 marks**

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