



**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

**Thursday 17 June 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. Additional paper may be used if necessary but you must clearly show your Candidate Number, Centre Number and question number(s).

**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) Many fruits and vegetables are good sources of vitamin C.  
Name **two** good sources of vitamin C.

1. ....  
2. .... [2]

- (b) Name the deficiency disease associated with a lack of vitamin C.

..... [1]

- (c) Identify **one** possible symptom of vitamin C deficiency in the body.

..... [1]

- (d) State **three** different dietary functions of vitamin C.

1. ....  
.....  
2. ....  
.....  
3. ....  
..... [3]

- (e) Fats and oils contain different types of fatty acids.

Describe **two** differences between saturated and unsaturated fatty acids.

1. ....  
.....  
.....  
.....  
2. ....  
.....  
.....  
..... [4]



(h) During bread making behaviour changes take place.

(i) Identify and explain **one** behaviour change which can occur during the **kneading** of bread.

.....  
.....  
.....  
..... [2]

(ii) Identify and explain **two** behaviour changes which can occur during the **baking** of bread.

1. ....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [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 concept of a balanced diet in the UK. **[25]**

**3** Hazard Analysis and Critical Control Point (HACCP) is a risk assessment system used in the food industry.

Discuss the importance of HACCP and how it is used in the food industry. **[25]**

**4** Explain the nutritional needs of vegetarians and the use of alternative protein sources in their diet. **[25]**

**Section B Total 50 marks**

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A series of 25 horizontal dotted lines spanning the width of the page, providing a template for handwriting practice.

A series of 25 horizontal dotted lines spanning the width of the page, intended for writing or drawing.

A series of horizontal dotted lines for writing, spanning the width of the page.

A series of 25 horizontal dotted lines spanning the width of the page, providing a template for handwriting practice.

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A series of 25 horizontal dotted lines spanning the width of the page, providing a guide for handwriting practice.

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