

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 1 February 2011
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, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. 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 **two** reasons why food packaging is important.

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

(ii) Describe **two** advantages to a food manufacturer of using glass as a packaging material.

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

(iii) Describe **two** disadvantages to a food manufacturer of using glass as a packaging material.

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

(b) (i) Identify **two** different dietary sources of iron.

1.
2. [2]

(ii) State **two** different dietary functions of iron.

1.
2. [2]

(iii) Identify **one** symptom in the body associated with a lack of iron.

..... [1]

(c) Identify and explain **two** factors which may affect an individual's energy requirement.

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

(d) (i) Identify and explain **one** behaviour change which occurs during the **heating** of a starch based sauce.

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

(ii) State **one** behaviour change which occurs during the **whisking** of an egg to produce a foam.

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

(iii) Identify **one** factor which can affect the ability of egg white to produce a foam.

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

Section B

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

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

- 2** Vitamins have important dietary functions.

Explain the role of vitamins in the diet. **[25]**

- 3** Explain the processes involved in the design, development and production of new food products. **[25]**

- 4** Explain how to meet the dietary and nutritional needs of babies and children. **[25]**

Section B Total 50 marks

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

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

A series of 26 horizontal dotted lines spanning the width of the page, intended for handwriting practice.

PLEASE DO NOT WRITE ON THIS PAGE



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