

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

Wednesday 15 June 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) Retinol and beta carotene are types of vitamin A.
Name **one** good food source of retinol.
..... [1]
- (ii) Name **one** good food source of beta carotene.
..... [1]
- (iii) Identify **two** dietary functions of vitamin A.
1.
.....
2.
..... [2]
- (iv) Identify **one** possible symptom of a vitamin A deficiency in the body.
..... [1]
- (b) Explain the relationship between vitamin C and iron in the body.
.....
.....
.....
..... [2]
- (c) Describe **two** reasons why foods may be fortified.
1.
.....
.....
2.
.....
..... [4]

(d) (i) Give **two** reasons why sensory analysis tests are used in food production.

1.
.....
.....

2.
..... [2]

(ii) Describe **two** different types of sensory analysis test.

1.
.....
.....

2.
..... [4]

(e) Describe **three** different methods used to advertise and launch new food products in a supermarket.

1.
.....
.....

2.
.....
.....

3.
..... [6]

(f) Explain the term malnutrition.

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

Section A Total 25 marks

Turn over

Section B

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

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

- 2 Explain the nutritional and dietary needs of pregnant and lactating women. [25]
- 3 Explain the nutritional value, choice and use of eggs. [25]
- 4 Explain the reasons for the changes in the availability and supply of food and food products in the UK. [25]

Section B Total 50 marks

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