

Tuesday 16 June 2015 – 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 all parts of 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**.
- Quality of Written Communication will be assessed in Section B.
- This document consists of **16** pages. Any blank pages are indicated.

SECTION A

Answer **all parts** of Question 1.

1 (a) (i) Identify **two** foods that are a good source of animal protein.

1

2 [2]

(ii) Give **one** function of protein in the body.

..... [1]

(iii) Explain what is meant by protein complementation.

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..... [2]

(b) (i) Identify **two** different good sources of vitamin B3 (niacin).

1

2 [2]

(ii) State **one** function of vitamin B3 (niacin).

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..... [1]

(iii) State the deficiency disease associated with vitamin B3 (niacin).

..... [1]

(c) (i) Explain how food processing reduces the vitamin C content of fruit and vegetables.

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..... [2]

(ii) Explain **two** ways vitamin C can be retained during food storage.

1

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2

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[4]

(d) Explain **three** factors that can affect an individual's energy requirement.

1

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2

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3

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[6]

(e) Explain **two** advantages for consumers of sugar substitutes.

1

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2

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[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 Discuss the nutritional and dietary needs of the elderly. [25]
- 3 Discuss how social change and concerns about health have affected the food industry. [25]
- 4 Explain the nutritional value, choice and use of cereals and pulses in food preparation and cooking. [25]

A large grid of dotted lines for writing, consisting of 20 horizontal rows and a vertical margin line on the left side.

The image shows a page designed for handwriting practice. It features a vertical solid line on the left side, which serves as a margin. To the right of this line, there are 24 horizontal dotted lines spaced evenly down the page, providing a guide for letter height. The entire page is otherwise blank, with no text or other markings.

A large rectangular area with a solid vertical line on the left side and horizontal dotted lines extending across the page, providing a template for writing.

The page contains a large grid for data entry. It features 31 horizontal dashed lines spaced evenly down the page. A solid vertical line is positioned on the left side, creating a narrow column. The rest of the page is open for writing.

A large writing area consisting of 25 horizontal dotted lines. A solid vertical line is positioned on the left side, approximately one-tenth of the way across the page, creating a margin for writing.

A vertical solid line runs down the left side of the page. The rest of the page is filled with horizontal dotted lines, spaced evenly, creating a grid for writing.

A large writing area consisting of 25 horizontal dotted lines. A solid vertical line is positioned on the left side, approximately one-tenth of the way across the page, creating a margin.

The page contains a vertical table structure. It is defined by a solid vertical line on the left side and horizontal dotted lines that create 25 rows. The right side of the table is also defined by dotted lines, creating two columns. The table is currently empty.

A large area of the page is filled with horizontal dotted lines, providing a template for writing. A solid vertical line runs down the left side of this area, approximately one-tenth of the way from the left edge, creating a narrow margin.

A large area of the page is reserved for writing, indicated by a vertical solid line on the left and horizontal dotted lines extending across the page.

END OF QUESTION PAPER



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