

OCR

Oxford Cambridge and RSA

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	
-----------------------	--	----------------------	--

Centre number						Candidate number				
---------------	--	--	--	--	--	------------------	--	--	--	--

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.

.....

.....

.....

..... [2]

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

1

2 [2]

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

.....

..... [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.

.....

.....

.....

..... [2]

3

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

1

.....

.....

.....

.....

2

.....

.....

.....

[4]

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

1

.....

.....

.....

.....

2

.....

.....

.....

.....

3

.....

.....

.....

[6]

4

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

1

.....

.....

.....

2

.....

.....

.....

[4]

5

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 25 horizontal rows and a vertical margin line on the left side.

A writing template consisting of a vertical solid line on the left side, creating a margin. To the right of this line are 25 horizontal dotted lines, providing a guide for handwriting practice. The lines are evenly spaced and extend across the width of the page.

A large writing area consisting of a vertical solid line on the left and horizontal dotted lines extending across the page, providing a guide for handwriting practice.

A blank sheet of lined paper with a vertical margin line on the left and horizontal ruling lines across the page. The page is otherwise empty.

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

A blank sheet of lined paper. On the left side, there is a solid vertical line that serves as a margin. The rest of the page is filled with horizontal dotted lines, providing a guide for writing. The lines are evenly spaced and extend across the width of the page.

A large area of the page is filled with horizontal dotted lines, providing a guide for handwriting. A solid vertical line runs down the left side of this area, creating a margin. The lines are evenly spaced and extend across most of the page width.

A writing template consisting of a vertical solid line on the left side, creating a margin. To the right of this line, there are 25 horizontal dotted lines spaced evenly down the page, providing a guide for handwriting practice.

A large grid of dotted lines for writing, consisting of 25 horizontal rows and a vertical margin line on the left side.

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

END OF QUESTION PAPER



Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series. If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.