

**OCR**

Oxford Cambridge and RSA

**Wednesday 21 June 2017 – Morning****A2 GCE HOME ECONOMICS****Food, Nutrition and Health****G004/01** Nutrition and Food Production

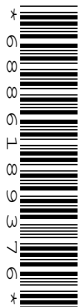
Candidates answer on the Question Paper.

**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 barcodes.

**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 **12** pages. Any blank pages are indicated.

## SECTION A

Answer **all parts** of question 1.

- 1 (a) (i) Name **two** cooking oils.

..... [2]

- (ii) Describe **three** advantages of fats and oils in the diet.

1 .....

.....

2 .....

.....

3 .....

.....

[6]

- (iii) Explain the process of hydrogenation on cooking oils.

.....

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..... [2]

- (b) Describe the function of folic acid in the diet.

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.....

..... [2]

- (c) (i) Identify **two** good food sources of vitamin E.

1 .....

2 .....

[2]

- (ii) State **one** function of vitamin E.

.....

..... [1]

3

(d) Explain **two** reasons why food packaging is important to retailers.

1 .....

.....

2 .....

.....

[4]

(e) Explain the statutory labelling requirements for all prepacked food in the UK.

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..... [6]

4

**SECTION B**

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

- 2 Discuss the nutritional significance of mineral elements in the diet during childhood and adolescence. [25]
- 3 Discuss the value of eggs in the diet. [25]
- 4 Discuss the reasons for changes in the availability and supply of food and food products in the UK. [25]



This image shows a full page of primary-ruled paper. It features a vertical solid line on the left side, creating a narrow margin. The rest of the page is filled with horizontal dashed lines, providing a guide for handwriting practice. There are no markings or text on the page.

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This image shows a blank sheet of white paper designed for handwriting practice. It features a solid vertical line on the left side, creating a narrow margin. The rest of the page is filled with evenly spaced horizontal dashed lines, providing a guide for letter height and placement. There are no other markings, text, or illustrations on the page.

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This image shows a blank sheet of white paper designed for writing. It features a series of evenly spaced horizontal blue lines across its entire width. A single vertical red line runs down the left side, creating a narrow margin. The paper is otherwise completely empty, with no text or markings.

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