



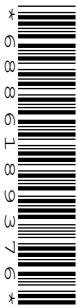
Oxford Cambridge and RSA

**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	
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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 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.

.....

[2]

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

.....

[2]

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

1 .....

2 .....

[2]

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

.....

[1]

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

1 .....

11

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

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**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]**

Write the number of each question answered.



This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin are 22 horizontal grey lines, each consisting of a solid top line, a dashed midline, and a solid bottom line, providing a guide for letter height and placement.



A large grid of 20 horizontal dotted lines for handwriting practice, with a vertical solid line on the left side.



This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin are 22 horizontal grey lines, each consisting of a solid top line, a dashed midline, and a solid bottom line, providing a guide for letter height and placement.



A large grid of 20 horizontal dotted lines for handwriting practice, with a vertical line on the left side.



The image shows a set of horizontal handwriting practice lines. There is a single vertical solid line on the left side. To its right are 22 horizontal dotted lines, each consisting of a solid top line, a dotted middle line, and a solid bottom line. This pattern repeats 21 times across the page, providing a guide for letter height and placement.



This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin, there are 22 horizontal grey lines spaced evenly down the page, intended for practicing letter formation and alignment.

**END OF QUESTION PAPER**



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