

# 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<br>forename |  | Candidate<br>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]



**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]**





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**END OF QUESTION PAPER**



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