

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
A2 GCE

G004/01

HOME ECONOMICS

Food, Nutrition and Health

Nutrition and Food Production

TUESDAY 16 JUNE 2015: Afternoon

DURATION: 1 hour 30 minutes
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the boxes on the first page. 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.

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.

Any blank pages are indicated.

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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]

(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]

(e) Explain TWO advantages for consumers of sugar substitutes.

1 _____

2 _____

[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]**

Write the number of each question answered.

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