Candidate Forename		Candidate Surname	

Centre Number						Candidate Number				

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

ADVANCED GCE

G004

HOME ECONOMICS

Food, Nutrition and Health
Nutrition and Food Production

THURSDAY 17 JUNE 2010: Morning

DURATION: 1 hour 30 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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INSTRUCTIONS TO CANDIDATES

- **Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **Read each question carefully and make sure that you know what you have to do before starting your answer.**
- **There are two sections in this paper:**
  SECTION A 25 MARKS
  Answer Question 1.
  SECTION B 50 MARKS
  Answer TWO questions only.
- **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).**

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.**
- **You will be awarded marks for the quality of your written communication in your answers to the questions in Section B.**

SECTION A

Answer ALL PARTS of Question 1.

1 (a) Many fruits and vegetables are good sources of vitamin C.
Name TWO good sources of vitamin C.

1. _____

2. _____ **[2]**

(b) Name the deficiency disease associated with a lack of vitamin C.

_____ **[1]**

(c) Identify ONE possible symptom of vitamin C deficiency in the body.

_____ **[1]**

(d) State THREE different dietary functions of vitamin C.

1. _____

_____

2. _____

_____

3. _____

_____ **[3]**

(e) Fats and oils contain different types of fatty acids.

Describe TWO differences between saturated and unsaturated fatty acids.

1. _____

_____

_____

_____

2. _____

_____

_____

_____ **[4]**

(f) Food labels provide important information about food products.

State TWO types of information required by law to appear on a food product label.

1. _____

_____

2. _____

_____ **[2]**

(g) Explain why food labelling is important to the consumer.

_____ **[6]**

(h) During bread making behaviour changes take place.

(i) Identify and explain <u>ONE</u> behaviour change which can occur during the <u>KNEADING</u> of bread.

_____

_____

_____

_____ **[2]**

(ii) Identify and explain <u>TWO</u> behaviour changes which can occur during the <u>BAKING</u> of bread.

1. _____

_____

_____

_____

2. _____

_____

_____

_____ **[4]**

<u>SECTION A TOTAL 25 MARKS</u>

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 concept of a balanced diet in the UK. [25]

3 Hazard Analysis and Critical Control Point (HACCP) is a risk assessment system used in the food industry.

Discuss the importance of HACCP and how it is used in the food industry. [25]

4 Explain the nutritional needs of vegetarians and the use of alternative protein sources in their diet. [25]

SECTION B TOTAL 50 MARKS

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