OCR
RECOGNISING ACHIEVEMENT

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

General Certificate of Secondary Education

HOME ECONOMICS (FOOD AND NUTRITION) 1973/2

PAPER 2 (HIGHER TIER)

Tuesday **28 JUNE 2005** Morning 2 hours

Candidates answer on the question paper.
Additional materials:
Additional answer paper may be required.

Candidate Name	Centre Number	Candidate Number

TIME 2 hours

INSTRUCTIONS TO CANDIDATES

- Write your name in the space above.
- Write your Centre number and Candidate number in the boxes above.
- Answer **all** the questions.
- Write your answers, in blue or black ink, in the spaces provided on the question paper.
- Read each question carefully and make sure you know what you have to do before starting your answer.

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 100.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.

FOR EXAMINER'S USE	
1	
2	
3	
4	
5	
6	
TOTAL	

This question paper consists of 13 printed pages and 3 lined pages.

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Section A

Answer **all** questions.

1 Food spoilage is caused by micro-organisms e.g. bacteria.

(a) Name **two** other types of micro-organisms.

1. _____

2. _____ [2]

(b) Give **three** conditions bacteria need to grow.

1. _____

2. _____

3. _____ [3]

(c) Not all bacteria are harmful.

Name **two** products where bacteria is used in food safely.

Product 1 _____

Product 2 _____ [2]

(d) Food poisoning can be caused by 'cross-contamination'.

(i) State what is meant by the term 'cross-contamination'.

_____

_____ [1]

(ii) Give **two** examples of how 'cross-contamination' could occur.

Example 1 _____

Example 2 _____ [2]

(e) Keeping foods at the correct temperature can help prevent food poisoning.

State what is meant by the term 'danger zone'.

_____

_____

_____ [2]

[Question 1 continued on next page

Question 1 – continued

(f) Some foods are classed as 'high risk'.

(i) State what is meant by a 'high risk' food.

_____

_____ [1]

(ii) Give **one** example of a 'high risk' food.

High risk food _____ [1]

(g) The consumer should be able to buy food which is safe to eat.

List **four** examples of good hygiene practice a supermarket should follow when selling fresh meat.

1. _____

_____

2. _____

_____

3. _____

_____

4. _____

_____ [4]

Meat needs to be cooked before eating.

(h) Give **two** reasons why meat is cooked.

Reason 1 _____

Reason 2 _____ [2]

[Total: 20]

For Examiner's Use

2 Below are the ingredients for scones.

Ingredients

225 g plain flour
5 ml (1 tsp) baking powder
A pinch of salt
50 g butter
25 g caster sugar
150 ml pasteurised milk
extra milk for brushing

An image has been removed due to third party copyright restrictions

Details: An image of a plate with two scones on it

(a) Name the raising agent used to make the scones.

_____ [1]

(b) Suggest two ways this recipe could be adapted to add more colour or more flavour.

1. _____

2. _____ [2]

(c) Suggest three ways this recipe could be adapted to make it healthier.

1. _____

2. _____

3. _____ [3]

(d) Plain flour is used to make the scones.

Different types of flours can be used to make other products.

Complete the table below.

Type of flour	Product made from this flour
Strong plain flour	
Corn flour	

[2]

[Question 2 continued on next page

Question 2 – continued

(e) Air is another type of raising agent.

Give **three** ways in which air could be introduced into mixtures as a raising agent.

1. _____

2. _____

3. _____ [3]

(f) Pasteurisation is one method of preserving milk.

Name **two** other methods.

1. _____

2. _____ [2]

(g) The scone recipe would not be suitable for a person who is 'lactose intolerant'.

State what is meant by the term 'lactose intolerant'.

_____

_____ [1]

What ingredient could be used so a 'lactose intolerant' person could eat these scones?

_____

_____ [1]

[Total: 15]

For Examiner's Use

3 The number of people becoming vegetarian has increased.

- Discuss the reasons why people may choose a vegetarian diet.
- Explain how a vegetarian can ensure they have a balanced diet.

[Question 3 continued on next page

For Examiner's Use

Question 3 – continued

[Total: 15]

For Examiner's Use

Section B

Answer all questions.

4 Below is a picture of a packed lunch for a school child.

An image has been removed due to third party copyright restrictions

Details: An image of a packed lunch for a school child. The lunch contains a ham sandwich on white bread, a packet of cheese and onion crisps, a chocolate bar and a bottle of orangeade

(a) Explain why the packed lunch shown above is not a healthy choice.

[6]

[Question 4 continued on next page

Question 4 – continued

(b) Give **five** ways this packed lunch could be adapted to meet current dietary guidelines.

1. _____

2. _____

3. _____

4. _____

5. _____ [5]

(c) There are a wide range of packed lunch products available in the supermarket which a parent could buy.

Suggest **four** marketing methods a supermarket could use to sell a new product.

1. _____

2. _____

3. _____

4. _____ [4]

[Total: 15]

For Examiner's Use

5 Look at the table below, which shows the contribution made by groups of foods to the UK household energy intake.

A table has been removed due to third party copyright restrictions

Details: A table showing the contribution made by groups of food to the UK household energy intake in 1996/97 and 2001/02. The table is taken from The National Food Survey

Ref. Table is taken from The National Food Survey.

(a) Use the information in the graphs above to explain the changes made in the consumption of foods from 1996/97 to 2001/02.

Give reasons for your answer.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____ [6]

[Question 5 continued on next page

Question 5 – continued

(b) We all need energy from food to keep us alive.

Explain why people have different energy needs.

[6]

(c) Explain what is meant by **basal metabolic rate**.

[3]

[Total: 15]

For Examiner's Use

6 Organic and GM (genetically modified) foods are available in many supermarkets.

- Explain what is meant by:
  (a) organic
  (b) GM (genetically modified) foods
  Give examples for each.

- Explain the benefits of using **one** of these foods.

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Question 6 – continued

[Total: 20]

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You may use these 3 lined pages as additional answer paper.

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