

Candidate Forename						Candidate Surname					
Centre Number						Candidate Number					

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION

1954/01

DESIGN AND TECHNOLOGY

Food Technology

Full Course

Paper 1 (Foundation Tier)

FRIDAY 11 JUNE 2010: Afternoon

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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.
- Answer ALL the questions.
- 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 50.
- The marks allocated and the spaces provided for your answers are a good indication of the length of answers required.

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1 Fig. 1 shows a fruit smoothie.



Fig. 1

(a) State how the fruit smoothie in Fig. 1 should be stored in the home.

_____ [1]

(b) The manufacturer has not added any sugar to the product.

State TWO reasons why we should reduce the amount of sugar we eat.

Reason 1 _____

_____ [1]

Reason 1 _____

_____ [1]

(c) State **THREE** pieces of information which are required by law on packaging.

1 _____ [1]

2 _____ [1]

3 _____ [1]

(d) (i) Give **ONE** reason why this product would appeal to children.



_____ [1]

(ii) Give **ONE** reason why this product would appeal to parents.

_____ [1]

(e) Food manufacturers put symbols on packaging. Complete the chart below to give the meaning of each symbol.

The first one has been done for you.

SYMBOL	WHAT IT MEANS
e	Estimated weight
	_____[1]
	_____[1]

[Total: 10]

- 2 Food manufacturers consider the nutritional value of foods when developing new products.
Fig. 2 shows the eatwell plate.



THE EATWELL PLATE

Use the eatwell plate to help you get the balance right. It shows how much of what you eat should come from each food group.

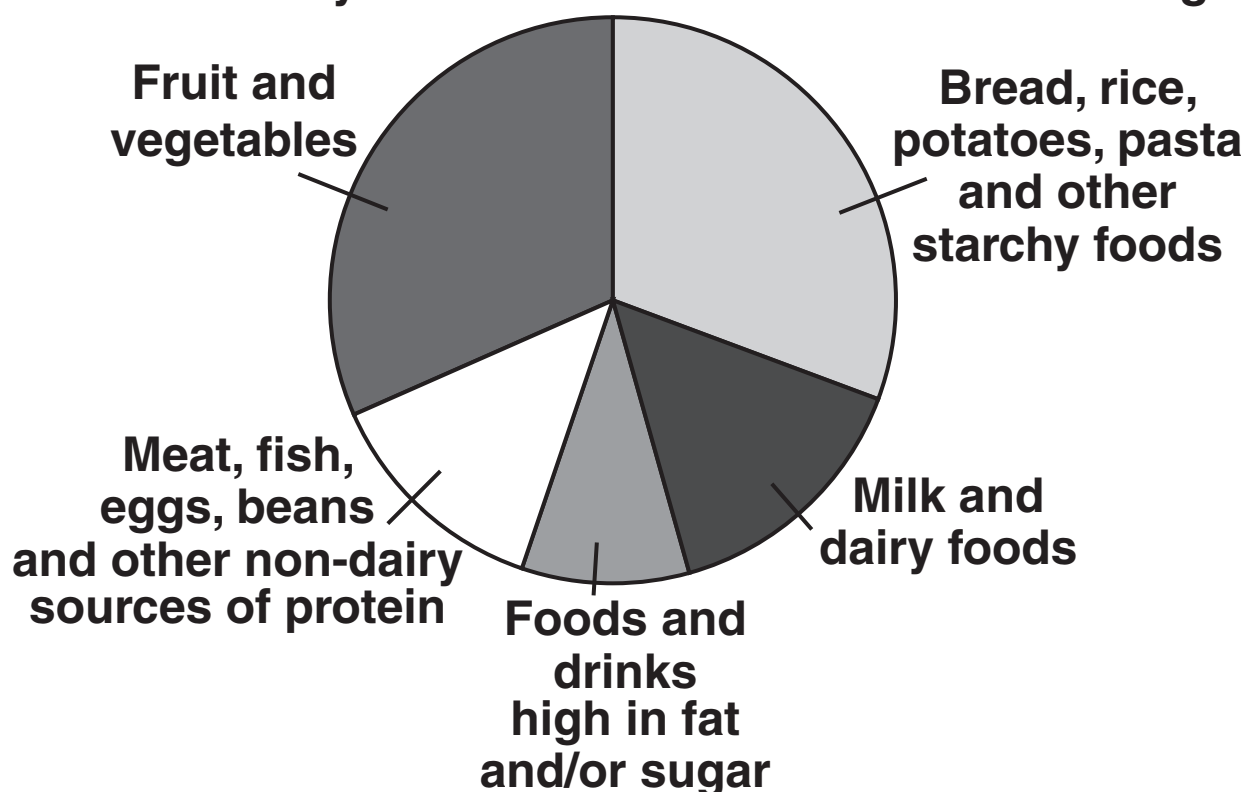


Fig. 2

- (a) Give TWO reasons why we are encouraged to reduce the amount of fat we eat.

Reason 1 _____ [1]

Reason 2 _____ [1]

- (b) State TWO ways consumers can reduce the amount of fat eaten.

1 _____ [1]

2 _____ [1]

(c) Fig. 3 shows some ready prepared vegetables.

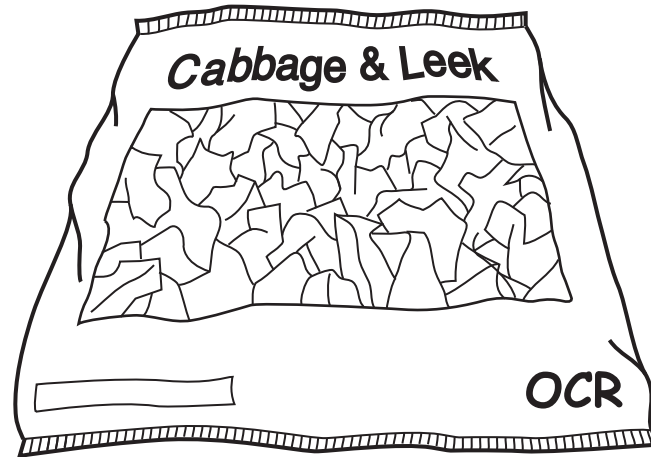


Fig. 3

- (i) Give TWO reasons why we are encouraged to eat more fruit and vegetables.

Reason 1 _____ [1]

Reason 2 _____ [1]

- (ii) Give TWO reasons why ready prepared vegetable products are becoming more popular.

Reason 1 _____ [1]

Reason 2 _____ [1]

- (iii) State TWO ways the vegetables in Fig. 3 could be cooked.

1 _____ [1]

2 _____ [1]

[Total: 10]

3 A food manufacturer has decided to develop a new cake product.

The design specification is:

- to have at least two different layers
- to be an original shape
- to be decorated
- to include a variety of textures

(a) In the space on page 9 opposite draw the new cake product to meet the design specification. State how each design specification point has been met.

Write your answers in the boxes provided.

DO NOT DRAW THE PACKAGING

**TO HAVE AT LEAST TWO
DIFFERENT LAYERS**

TO BE DECORATED

**TO BE AN ORIGINAL
SHAPE**

**TO HAVE A VARIETY
OF TEXTURES**

(b) State TWO points to consider when designing the packaging for the cake.

1 _____ [1]

2 _____ [1]

(c) Fig. 4 shows the industrial mixer used to make a large batch of cake mixture.

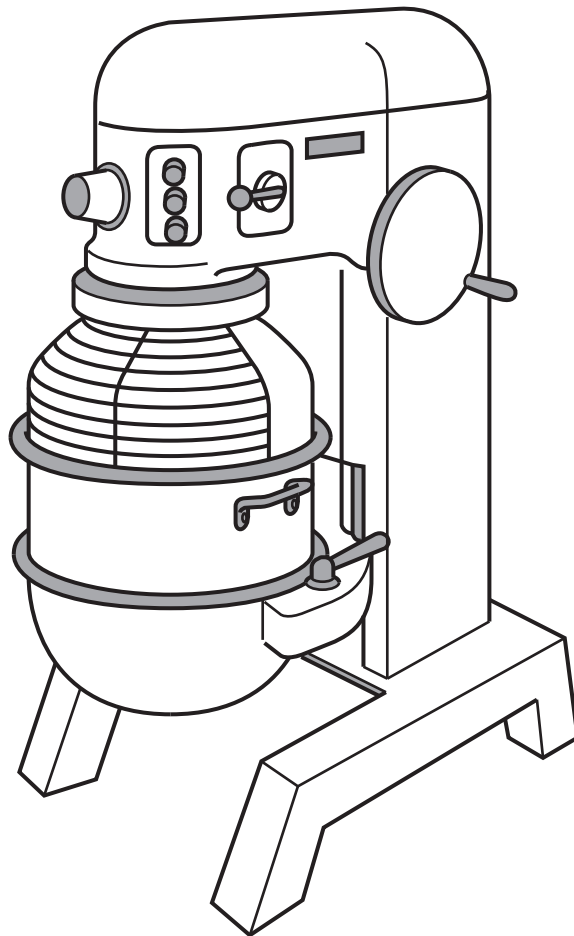


Fig. 4

Give TWO reasons why this mixer is suitable for mixing a large batch of cake mixture.

Reason 1 _____ [1]

Reason 2 _____ [1]

(d) State TWO safety precautions which should be followed when using this mixer.

1 _____ [1]

2 _____ [1]

[Total: 10]

4 Fig. 5 shows savoury flans.

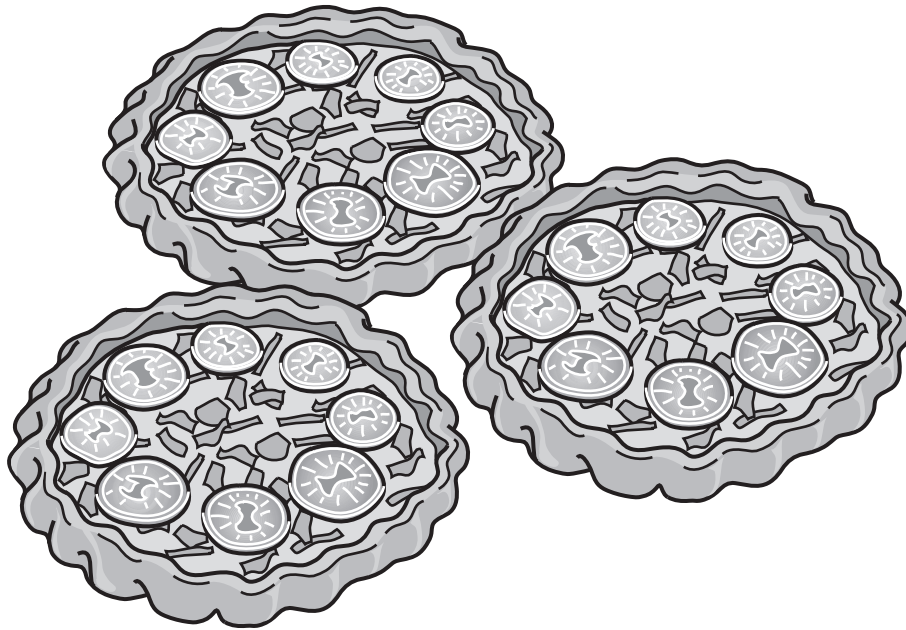


Fig. 5

(a) Give TWO reasons why the manufacturer of the savoury flans would invest in CAM (computer aided manufacture) equipment.

Reason 1 _____

_____ [1]

Reason 2 _____

_____ [1]

(b) State TWO control checks that are carried out during the production of savoury flans.

1 _____
_____ [1]

2 _____
_____ [1]

(c) Give TWO ways the manufacturer can ensure a safe shelf life for the savoury flan.

1 _____
_____ [1]

2 _____
_____ [1]

- (d) During the development and production of the savoury flans some tasks are carried out by people rather than machines.**

Complete the chart below to show TWO tasks and the reason why they are carried out by people.

TASK	REASON
<div>_____</div> <div>_____ [1]</div>	<div>_____</div> <div>_____</div> <div>_____</div> <div>_____</div> <div>[1]</div>
<div>_____</div> <div>_____ [1]</div>	<div>_____</div> <div>_____</div> <div>_____</div> <div>_____</div> <div>[1]</div>

[Total: 10]

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TURN OVER FOR QUESTION 5

- 5 **Fig. 6 shows information about three different types of sausages.**

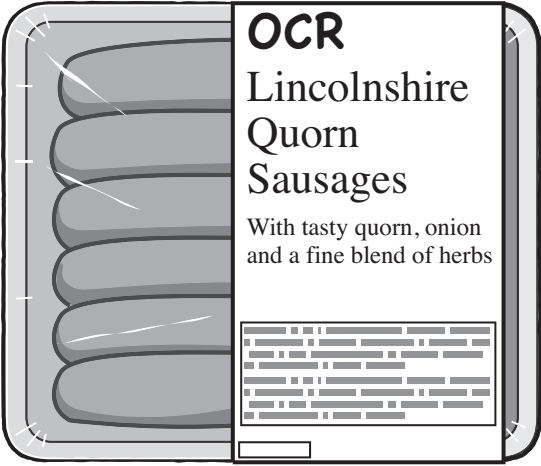
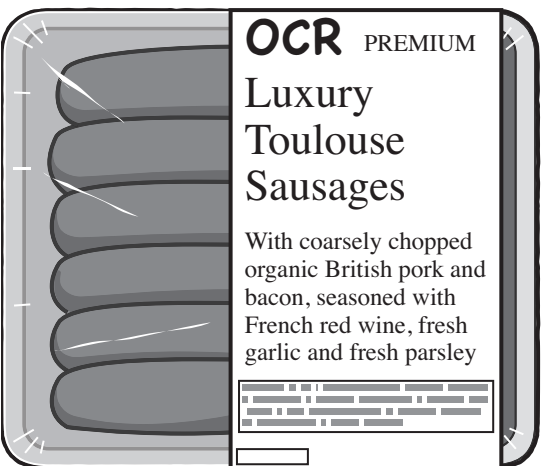
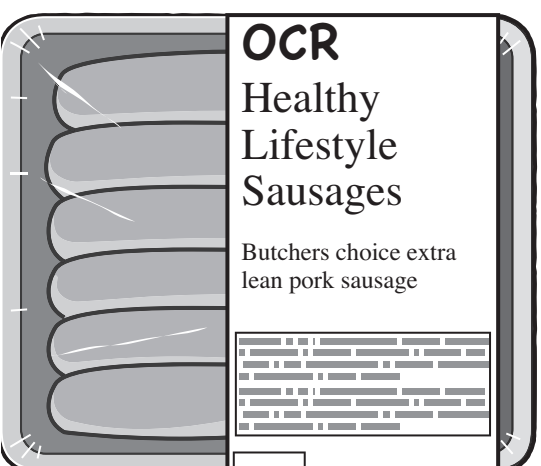
 <p>The image shows a rectangular package of OCR Lincolnshire Quorn Sausages. On the left, there is a clear window showing five grey, oval-shaped sausages. To the right of the window, the text reads: OCR Lincolnshire Quorn Sausages. Below this, it says 'With tasty quorn, onion and a fine blend of herbs'. At the bottom right of the text area, there is a small rectangular box containing several lines of illegible text.</p>	<p><u>OCR LINCOLNSHIRE QUORN SAUSAGES</u></p> <p>With tasty quorn, onion and a fine blend of herbs</p>
 <p>The image shows a rectangular package of OCR Premium Luxury Toulouse Sausages. On the left, there is a clear window showing five dark grey, oval-shaped sausages. To the right of the window, the text reads: OCR PREMIUM Luxury Toulouse Sausages. Below this, it says 'With coarsely chopped organic British pork and bacon, seasoned with French red wine, fresh garlic and fresh parsley'. At the bottom right of the text area, there is a small rectangular box containing several lines of illegible text.</p>	<p><u>OCR LUXURY TOULOUSE SAUSAGES</u></p> <p>With coarsely chopped organic British pork and bacon, seasoned with French red wine, fresh garlic and fresh parsley</p>
 <p>The image shows a rectangular package of OCR Healthy Lifestyle Sausages. On the left, there is a clear window showing five light grey, oval-shaped sausages. To the right of the window, the text reads: OCR Healthy Lifestyle Sausages. Below this, it says 'Butchers choice extra lean pork sausage'. At the bottom right of the text area, there is a small rectangular box containing several lines of illegible text.</p>	<p><u>OCR HEALTHY LIFESTYLE SAUSAGES</u></p> <p>Butchers choice extra lean pork sausages</p>

Fig. 6

- (a) The sale of sausages continues to rise.
Give ONE reason for this.

_____ [1]

- (b) Complete the chart below to state the target group and the reason why it is suitable.

PRODUCT	TARGET GROUP	REASON
OCR Lincolnshire Quorn Sausage	_____	_____ _____
OCR Healthy Lifestyle Sausages	_____	_____ _____

[4]

- (c) Nutritional information is shown on sausage packaging.
Give TWO benefits to the consumer of having nutritional information.

Benefit 1 _____

_____ [1]

Benefit 2 _____

_____ [1]

- (d) OCR Toulouse Sausages are the most expensive.
Give ONE reason why these cost more than the
other sausages.**

_____ [1]

- (e) OCR Lincolnshire Quorn Sausages contain
modified maize starch.
State a function of modified maize starch in food
products.**

_____ [1]

- (f) OCR Healthy Lifestyle Sausages contain an
antioxidant.
State a function of antioxidants in food products.**

_____ [1]

Total [10]

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