

**GENERAL CERTIFICATE OF SECONDARY EDUCATION**  
**DESIGN AND TECHNOLOGY**  
**Food Technology**

**1954/01**

Full Course  
Paper 1 (Foundation Tier)

Candidates answer on the Question Paper

**OCR Supplied Materials:**  
None

**Other Materials Required:**  
None

**Friday 11 June 2010**  
**Afternoon**

**Duration: 1 hour**



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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**INSTRUCTIONS TO CANDIDATES**

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- 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.
- Do **not** write in the bar codes.
- 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.
- This document consists of **12** pages. Any blank pages are indicated.

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]

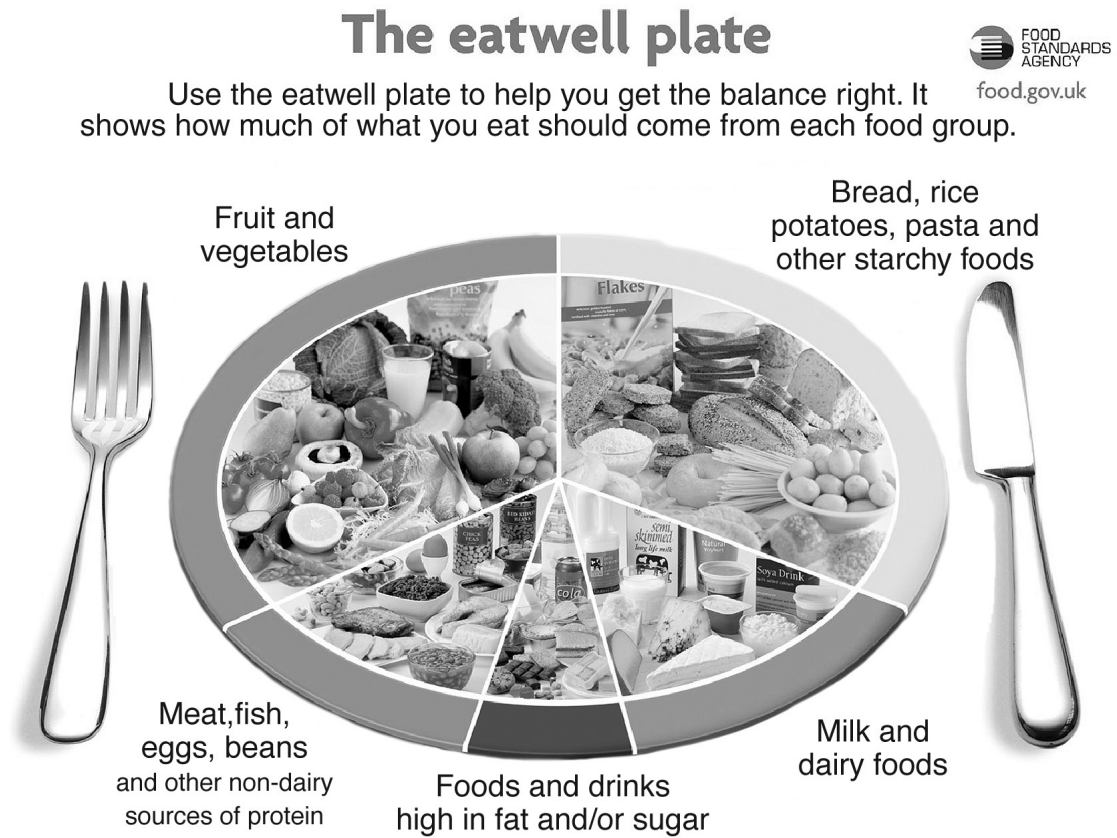
- (e) Food manufacturers put symbols on packaging.  
Complete the chart below to give the meaning of each symbol.

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.



**Fig. 2**

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

Reason 1 ..... [1]

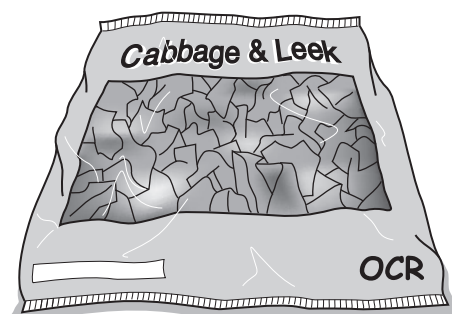
Reason 2 ..... [1]

- (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 decorated
- to be an original shape
- to include a variety of textures

- (a) In the space below 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
.....
.....
.....
.....

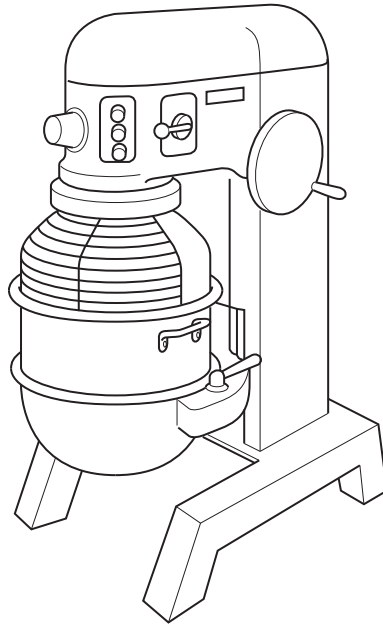
To have a variety of textures
.....
.....
.....
.....

(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]

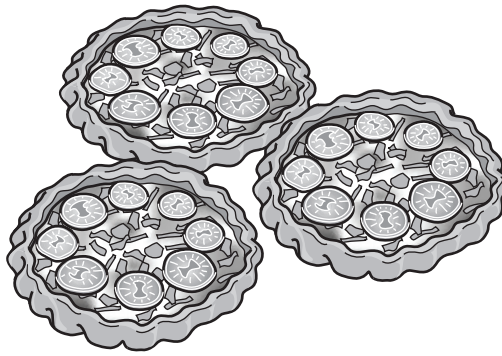
(d) State **two** safety precautions which should be followed when using this mixer.

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]

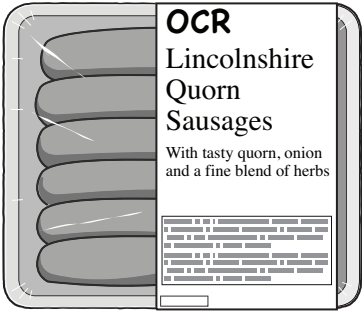

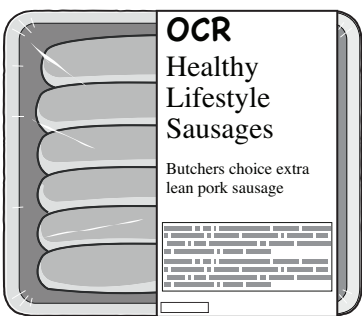
(d) During the development and production of the savoury flans some tasks are carried out by people rather than machines.

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

Task	Reason
..... ..... [1]	..... ..... ..... ..... [1]
..... ..... [1]	..... ..... ..... ..... [1]

[Total: 10]

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

 <p><b>OCR</b> Lincolnshire Quorn Sausages With tasty quorn, onion and a fine blend of herbs</p>	<p><b>OCR Lincolnshire Quorn Sausages</b></p> <p>With tasty quorn, onion and a fine blend of herbs</p>
 <p><b>OCR</b> PREMIUM Luxury Toulouse Sausages With coarsely chopped organic British pork and bacon, seasoned with French red wine, fresh garlic and fresh parsley</p>	<p><b>OCR Luxury Toulouse Sausages</b></p> <p>With coarsely chopped organic British pork and bacon, seasoned with French red wine, fresh garlic and fresh parsley</p>
 <p><b>OCR</b> Healthy Lifestyle Sausages Butchers choice extra lean pork sausage</p>	<p><b>OCR HEALTHY LIFESTYLE SAUSAGES</b></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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