

**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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**MODIFIED LANGUAGE**

**INSTRUCTIONS TO CANDIDATES**

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. You may only use pencil for graphs and diagrams.
- 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. You may use more paper if you need it, 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**.
- Check the number of marks and the space to write in to help you decide how much to write.
- This document has **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 on packaging which the law requires.

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.

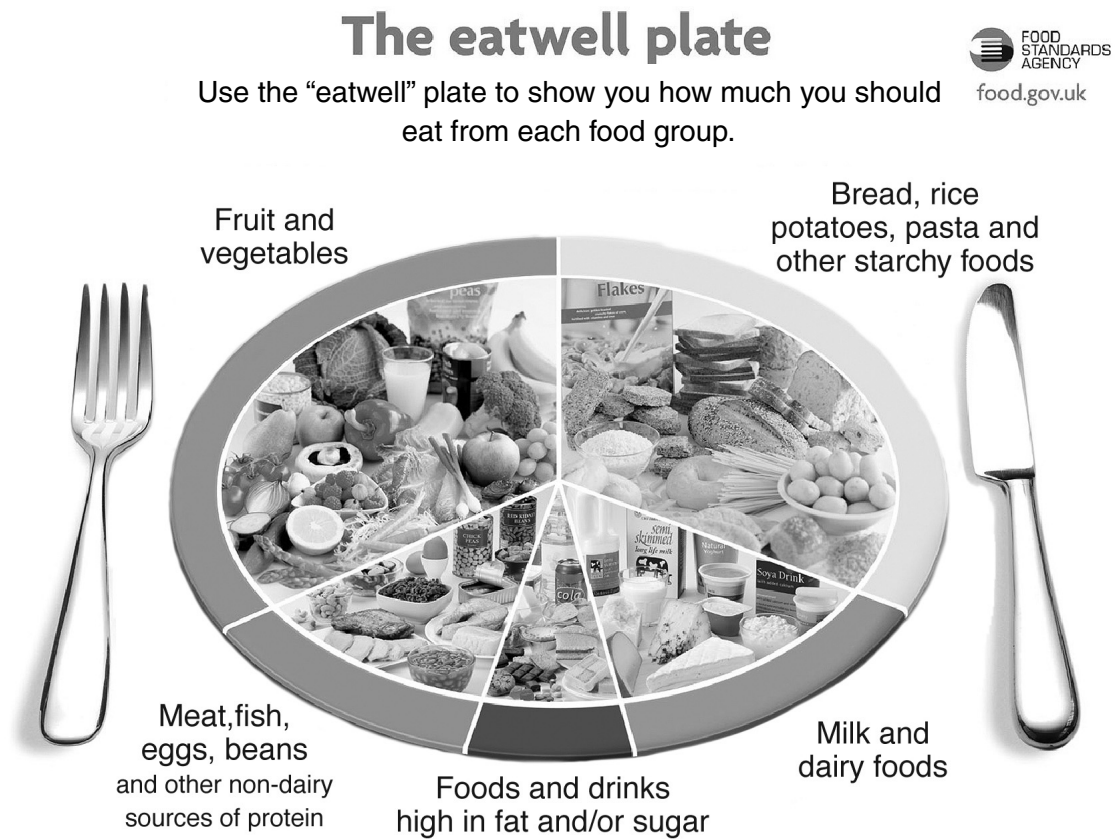
The first one has been done for you.

Symbol	What it means
e	Estimated weight
	..... [1]
	..... [1]

[Total: 10]

- 2 Food manufacturers need to think about the nutritional value of foods when they are developing new products.

Fig. 2 shows the “eatwell plate”.



**Fig. 2**

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

Reason 1 ..... [1]

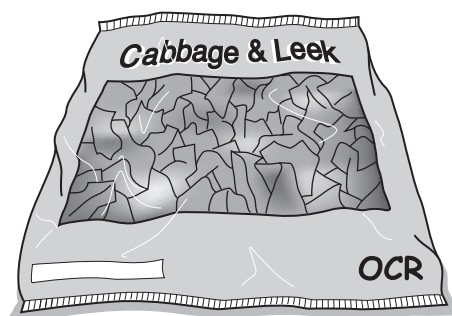
Reason 2 ..... [1]

- (b) State **two** ways consumers can reduce the amount of fat they eat.

1 ..... [1]

2 ..... [1]

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



**Fig. 3**

(i) Give **two** reasons why we should 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 wants to develop a new cake product. The design specification is:

- At least two different layers
- Decorated
- An original shape
- A variety of textures

**(a)** Draw a new cake product to meet the design specification.

**Do not draw the packaging.**

State how you have met each design specification.

At least two different layers
.....
.....
.....
.....

Decorated
.....
.....
.....
.....

An original shape
.....
.....
.....
.....

A variety of textures
.....
.....
.....
.....

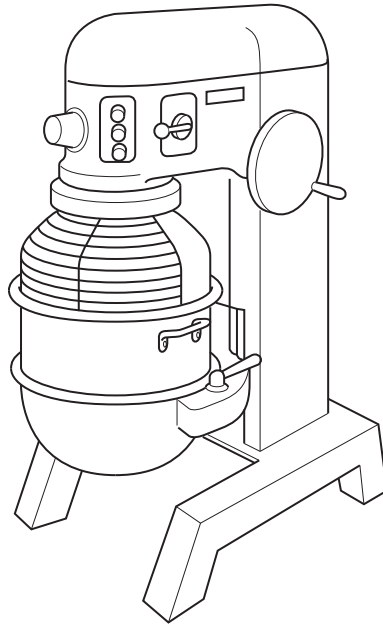
**[4]**

(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]

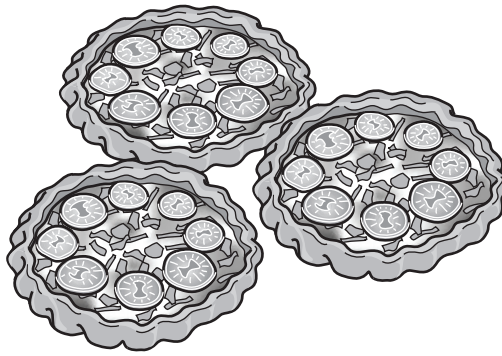
(d) State **two** safety precautions to follow when using this mixer.

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 done 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]

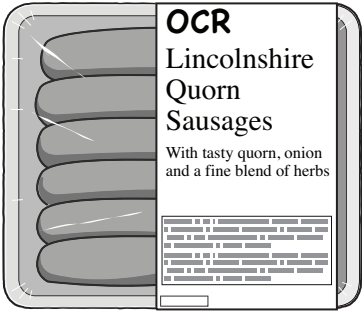

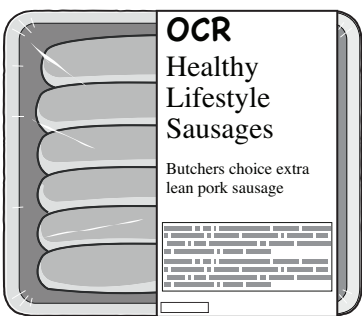
(d) People, not machines, do some of the tasks during the development and production of the savoury flans.

Complete the chart below to show **two** tasks and the reason why they are done 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 for each sausage 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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