

Write your name here	
Surname	Other names
Centre Number	Candidate Number
<input type="text"/>	<input type="text"/>
Edexcel GCE	
Design and Technology	
Food Technology	
Advanced	
Unit 3: Food Products, Nutrition and Product Development	
Thursday 23 June 2011 – Afternoon	Paper Reference
Time: 2 hours	6FT03/01
You do not need any other materials.	Total Marks
<input type="text"/>	<input type="text"/>

Instructions

- Use **black** ink or ball-point pen.
- If pencil is used for diagrams/sketches it must be dark (HB or B). Coloured pens, pencils and highlighter pens must not be used.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*

Information

- The total mark for this paper is 70.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed
– *you should take particular care with your spelling, punctuation and grammar, as well as the clarity of expression, on these questions.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

P35001A

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Turn over ►

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Answer ALL the questions. Write your answers in the spaces provided.

1 (a) Name **two** proteins found in eggs.

(2)

1

2

(b) Give **three** characteristics of egg yolk that make it useful as a food ingredient.

(3)

1

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2

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3

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(c) Explain how the white of an egg inhibits the growth of bacteria.

(3)

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(Total for Question 1 = 8 marks)



3 (a) Name **two** diet-related diseases.

(2)

1

2

(b) Outline the key elements of **two** named special diets.

(4)

Special diet 1

Key element

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Special diet 2

Key element

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(c) Discuss the effects that the 'food miles' issue may have on food production and consumption.

(4)

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(Total for Question 3 = 10 marks)



4 (a) Explain how the malting process is carried out as a preliminary process in beer-making.

(4)

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(b) Compare the basic principles of producing red wine with those of producing white wine.

(6)

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(Total for Question 4 = 10 marks)



5 (a) State, using notes and/or sketches, the **four** main stages in a food product's life-cycle.

(4)

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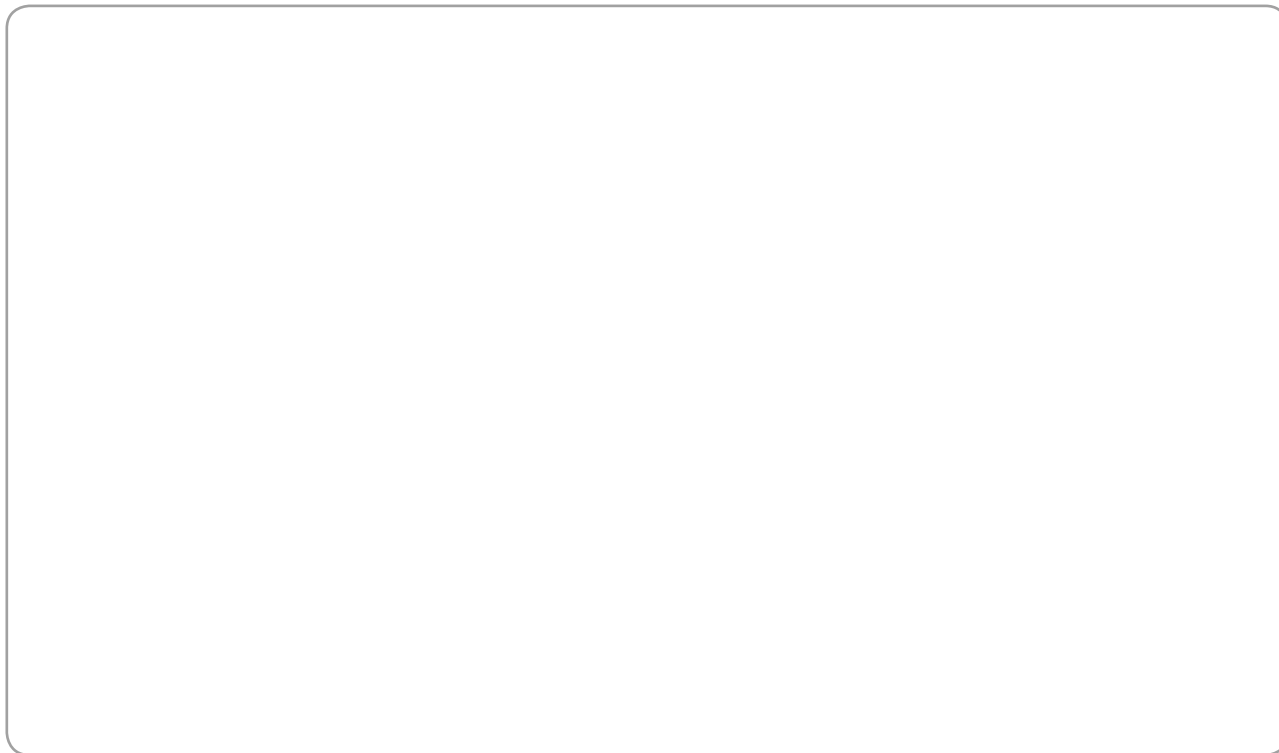
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(b) Discuss the factors which may influence the generation of new food product ideas.

(6)

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(Total for Question 5 = 10 marks)



6 (a) Explain why it is advisable to pasteurise cows' milk for human consumption.

(4)

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(b) Outline the processes used to produce butter.

(4)

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(c) Describe the process of producing skimmed milk from whole milk.

(4)

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(Total for Question 6 = 12 marks)





Macro-nutrient 2

Lined writing area for notes.



P 3 5 0 0 1 A 0 1 1 1 2



