Write your name here Surname	Other nam	es
Pearson Edexcel GCE	Centre Number	Candidate Number
Food Technology Advanced	nd Technos, Nutrition and Produ	
Friday 10 June 2016 – M Time: 2 hours	orning	Paper Reference 6FT03/01
You do not need any other	materials.	Total Marks

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 on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.

Advice

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

P 4 6 5 9 7 A 0 1 1 6

Turn over ▶



(4)
(4)
8 marks)

2 (a)	Describe, using notes and/or sketches, the structural composition of meat.	(4)



(b) Evaluate the nutritional contribution of red meat to the diet.	(4)
(Total for Question 2 =	8 marks)

(a) Pasteurisation of the milk	
(a) Tusteurisation of the mink	(2)
(b) Addition of the starter culture	
	(2)
(c) Addition of the rennet	(2)
(d) Maturing of the cheese	
	(2)
(Total for Question 3 = 8 marks)



(1)	
(b) Define the term 'Basal Metabolic Rate'. (3)	

(i) Protein		
		(2)
(ii) Fat		(2)
		(2)
(iii) Carbohydrate		
(iii) Carbonyarace		(2)
	(Total for O	uestion 4 = 10 marks)



5 (a) Outline the following conditions which require special diets.			
	(i)	Coeliac disease	(2)
			(2)
	(ii)	Lactose intolerance	
	(11)	Editose intolerance	(2)

*(b) Coronary heart disease is a diet-related disease.	
Discuss the dietary guidelines you would give to somebody wishing to improve their diet to help prevent coronary heart disease.	(0)
	(8)
(Total for Question 5 = 12 m	arks)



•	Explain the effect of the following factors on the ripening of fruit during commercial storage.	
	(a) Controlled atmosphere	(3)
•••••		
	(b) Presence of ethylene	(3)
	(c) Atmospheric pressure	(3)
••••		



(Total for Questi	
(d) Temperature	(3)

7 (a) Explain the term 'biodegradable packaging'.	(3)
*(b) Discuss the relationship between food miles and sustainability.	(9)



(Total for Question 7 = 12 marks)
(Total for Question / - 12 marks)
TOTAL FOR PAPER = 70 MARKS



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