

Mark Scheme (Results) Summer 2007

GCSE

GCSE Design and Technology: Food Technology Foundation Tier (1970/3970)

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Marking Guidance

Give / State / Name

Normally a one or two word answer, at the very most a short sentence.

Describe

Normally, one or two sentences which form a description, making reference to more than one point. All points must be linked for a complete answer.

Explain

Normally, one or two sentences which form an explanation. This requires a clear or detailed account of something and includes a relevant justification, reason or example.

Evaluate

Normally one or two sentences where the quality, suitability or value of something is judged. This can include both positive and negative points, with each point normally requiring a relevant justification.

The mark scheme contains a range of possible answers for all questions. For some questions it is possible to provide a finite number of acceptable answers. However, in some instances it is not possible to provide every conceivable answer. In these instances objective guidance is provided.

For all answers candidates are not expected to give the exact wording contained in this mark scheme. However, to gain credit their answer must demonstrate the same meaning as detailed in the mark scheme.

It is the examiner's responsibility to apply their professional judgement in determining if what the candidate has written has the same meaning as the answer detailed in the mark scheme. For all answers the '*Key words*' have been written in **bold** text.

For describe and explain questions, candidates may give a different combination of the marking points listed in the mark scheme. In such instances candidates can be rewarded for the marking points provided that they are suitably linked. However, candidates cannot be rewarded for the same point repeated in two different combinations.

Examiners must mark in red pen using ticks and crosses in the body of the script.

Design & Technology: Food Technology (1970/2F) Full Course Foundation Tier Mark Scheme

Question Number	Question		
1970_2F_Q01ai-ii	Different tools and equipment are needed to prepare food in the home and in a factory.		
	The table below shows different tools and equipment used to prepare foods.		
	 Complete the table by: (i) naming each tool or piece of equipment (ii) giving an example of a task that can be carried out using each tool or piece of equipment <u>different</u>. 	ent. Each exampl	e must be
	Answer	Part Mark	Total Mark
	Name: squeezer / juicer	1	
	Task: squeezing/extracting/removing juice / getting juice out	1	
	Name: pastry brush / food brush / glazing brush	1	
	Task: brushing/glazing egg/milk/oil/fat/water/icing sugar / sealing pastry	1	
	Name: bun tin / cake tin / pattie tin / Yorkshire pudding tin / tart tin	1	
	Task: cooking/moulding/shaping cakes/pastries / putting cake mix in	1	
	Name: microwave	1	
	Task: cooking/defrosting/reheating/drying foods / warming	1	
	Name: industrial cutter / drum cutter / roller cutter	1	
	Task: cutting/shaping dough/biscuits/pastry	1	(10)

Question Number	Question		
1970_2F_Q01bi	One way a food processor can be used is for rubbing in fat into flour.		
	Give three other ways a food processor can be used to prepare foods.		
	Answer	Part Mark	Total Mark
	Three ways given:		
	 whisking/whipping chopping/cutting grating shredding blending/pureeing/pulping/liquidizing mixing/creaming/beating margarine and sugar mashing chipping 		
	 slicing kneading 	3x1	(3)

Question Number	Question		
1970_2F_Q01bii	Electrical safety rules must be followed when using a food processor.		
	Give two other safety rules to follow when using a food processor.		
	Answer	Part Mark	Total Mark
	Two rules given:		
	 do not overfill/don't put too much in assembled properly/securely / put lid on right use tabs/holes/flat bits on blades/attachments wash blades/attachments with a brush wash at high temperatures/wash in dishwasher to remove bacteria use tube to add ingredients/add through the funnel/tube don't put hands in when it is working don't touch with wet hands / don't use near water 	2x1	(2)
Question Number	Question		
1970_2F_Q01ci	When food products are manufactured in volume, different quantities may need to be made.		
	Biscuits are made in batches.		
	Give three reasons why biscuits are made in batches.		
	Answer	Part Mark	Total Mark
	Three reasons given:		
	 high demand / popular product / sell well / lots bought/sold reasonable shelf life / store well cheaper different varieties produced / can get other flavours/styles 		
	 Given and the first value of a seasonal variations needed / special occasions 	3x1	(3)

Question Number	Question		
1970_2F_Q01cii	Loaves of white sliced bread are made in high volume.		
	Give two reasons why a loaf of white sliced bread is made in high volume.		
	Answer	Part Mark	Total Mark
	Two reasons given:		
	 high demand / large amounts are needed / popular product staple food used for energy reduces costs to manufacturer/consumer 		
	 versatile 	2x1	(2)
Question Number	Question		
1970_2F_Q01d	Computer Aided Manufacture (CAM) systems are used in industry to help make each product the Give two stages when CAM systems help to make each loaf of bread the same.	ie same.	
	Answer	Part Mark	Total Mark
	Two stages given:		
	 weighing/measuring ingredients/portion/finished product regulating/setting the right cooking temperature timing of cooking/proving 		
	 slicing/wrapping of finished bread 	2x1	(2)
		(Tota	al 22 marks)

Question Number	Question		
1970_2F_Q02ai	Wheat flour is one of the basic ingredients used when cooking food products.		
	Name two different types of wheat flour that are used in cooking.		
	Answer	Part Mark	Total Mark
	Two flours given:		
	• plain		
	• self-raising		
	 wholemeal/brown wheatmeal 		
	• granary	2x1	(2)
Question Number	Question		
1970_2F_Q02aii	Describe one nutritional use of wheat flour.		
	Answer	Part Mark	Total Mark
	One nutritional use described:		
	• carbohydrate/starch which is used for energy		
	• fibre/NSP which is used for keeping bowels moving/prevent bowel cancer/diverticulitis / make		
	 you go to the toilet calcium for increased bone/teeth strength /prevent osteoporosis 		
	iron for generating red blood cells/haemoglobin / preventing anaemia		
	 protein which is used for growth/repair of cells / mending your skin vitamin D aids the absorption of calcium 	2x1	(2)

Question Number	Question		
1970_2F_Q02bi	A cheese sauce is being developed for a new food product.		
	Describe how wheat flour helps to thicken the cheese sauce.		
	Answer	Part Mark	Total Mark
	Thickening of flour described:		
	 the flour absorbs water / gelatinises / swells/bursts the starch grains to thicken the sauce when heated (only answer) 	2x1	(2)
Question Number	Question		
1970_2F_Q02bii	Give three natural ways in which flavour could be added to the cheese sauce.		
	Answer	Part Mark	Total Mark
	Three ways given:		
	 salt pepper mustard herbs spices onions/garlic/leeks mushrooms peppers stilton/parmesan/red Leicester/blue cheese/goat cheese 		
	 ham/bacon/salami/pepperoni/pastrami tuna/salmon/smoked fish 	3x1	(3)

Question Number	Question		
1970_2F_Q02biii	Buying extra ingredients adds to the cost of making a food product.		
	Explain one other way in which using extra ingredients increases the costs.		
	Answer	Part Mark	Total Mark
	One way explained:		
	 increased energy costs because it will take longer to make / more things to do in the recipe specialist/new equipment may have to be bought because of the different processes / extra things done increased wages bill/more staff because more hand preparation / changes to manufacturing 		
	 increased transport costs because more ingredients have to be delivered 	2x1	(2)
Question Number	Question		
1970_2F_Q02c	The new cheese sauce must also be suitable for vegetarians.		
	Explain one way in which the cheese sauce can be made suitable for vegetarians.		
	Answer	Part Mark	Total Mark
	One way explained:		
	 do not use rennet /use natural enzymes/chymosin to set the cheese use soya milk because it is manufactured from vegetable sources do not use meat/fish because it comes from dead animals use cheese flavouring because it doesn't come from animals 	2x1	(2)

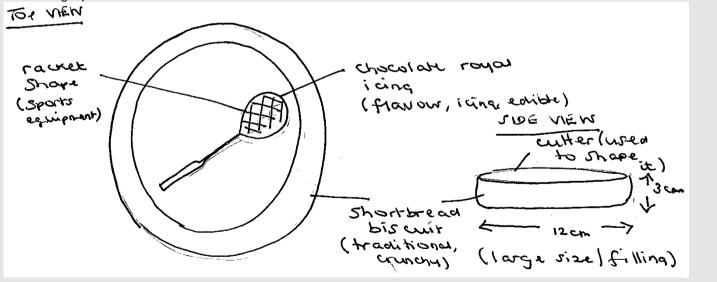
Question Number	Question		
1970_2F_Q02di	When designing new food products, the effects of packaging on the environment must be consi	dered.	
	Give three advantages to the environment of using paper in food packaging.		
	Answer	Part Mark	Total Mark
	Three advantages given:		
	 biodegradable/rots down recyclable can be made from recycled papers 		
	 renewable resource does not fill up landfill sites 	3x1	(3)
Question Number	Question		
1970_2F_Q02dii	Give two disadvantages to the environment of using metals and foils in food packaging.		
	Answer	Part Mark	Total Mark
	 Two disadvantages given: high energy use in manufacture non-renewable resource expensive to recycle alow to biodermade 		
	slow to biodegradefills up landfill sites	2x1	(2)

Question Number	Question		
1970_2F_Q02diii	Explain two ways in which reducing food packaging would help the consumer.		
	Answer	Part Mark	Total Mark
	 Two ways explained: fewer layers would reduce the weight/make it easier to unwrap the finished product would be easier to store because it would take up less room the cost would be reduced/would be cheaper because there would be fewer materials to buy less to throw away/waste so consumers would feel they were helping the environment/being greener/reducing carbon footprint 	2x1 2x1	(4)
		(Tota	al 22 marks)

Question Number	Question		
1970_2F_Q03a	A manufacturer wants to support the 2012 Olympic fundraising by developing a range of iced biscu events.	its to sell at	sports
	The specification for the biscuit is that it must:		
	 have a biscuit base that is easy to shape have an icing that is flavoured have a design that shows a sporting theme and uses edible decoration provide a filling snack with a good texture 		
	In the spaces opposite, use sketches and, where necessary, brief notes to show two different desig which meet this specification.	n ideas for t	he biscuits
	Answer	Part Mark	Total Mark
	Each point of specification has two marking points.		
	1 mark should be awarded for evidence of each point of specification resolved in the design		
	For each point with both elements viably satisfied2 marksFor each point with only one element viably satisfied1 markWhere the answer does not viably answer a specification point0 marks		
	Candidates may answer any specification point in either graphical form or by annotation.		
	No marks are awarded for quality of communication.		
	Design Idea 1:		
	 Specification point 1: Have a biscuit base that is easy to shape Evidence that it has a biscuit base, eg Shortbread/ginger/flapjack/oat/cookie/melting moments Evidence that it is easy to shape, eg Moulded/cut/piped/extruded/set in a tin to shape 	1 1	

Specification point 2: Have an icing that is flavoured	1
 Evidence that is has an icing eg Glace/fondant/roll out/buttercream/royal icing Evidence that it has a flavour eg Strawberry/raspberry/mint/chocolate/coffee and other suitable 	1
 flavours. Specification point 3: Have a design that shows a sporting theme and uses edible decorations Evidence that it shows a sporting theme eg Sport/Olympic logo used/sport equipment Evidence that the decoration can be eaten eg Edible decorations/edible icing print/rice paper or other suitable materials 	1 1
 Specification point 4: Provide a filling snack with a good texture Evidence of how it is filling eg Labelling of ingredients that fill you up (fat/carbohydrate)/size of product/layered to make it more filling Evidence of a good texture eg Reference to part that provides a smooth/crunchy/crisp texture 	1 1
Possible graphical solution:	

(8)



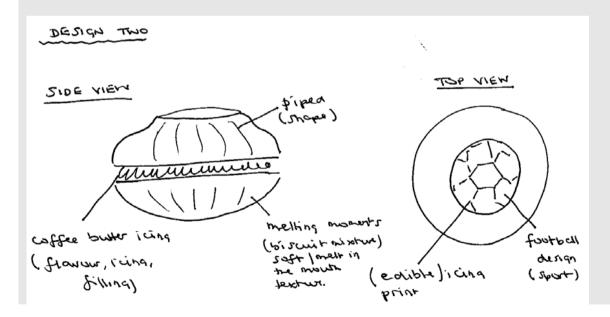
Design Idea 2

To score a mark for Design Idea 2, each specification point must be resolved again in the second design idea but the second design idea must be technically/conceptually different in design and construction from the first and not simply a variation on a theme to score the mark.

Use exactly the same criteria as Design Idea 1 to mark Design Idea 2:

- One different biscuit base named
- One different shaping method named
- One different icing named
- One different flavouring named
- One different sporting theme shown
- One different edible decoration named
- One different method of being filling named
- One different texture named

Possible graphical solution:



(8)

1

1

1

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1

Question Number	Question		
1970_2F_Q03b	Three of the original specification points are repeated below.		
	Evaluate how one of your design ideas succeeds or fails to meet each of these specification points.		
	 (i) The biscuit must have a biscuit base that is easy to shape. (ii) The biscuit must have a design that shows a sporting theme and uses edible decoration. (iii) The biscuit must provide a filling snack with a good texture. 		
	Answer	Part Mark	Total Mark
	Each point clearly evaluated.		
	If a candidate has indicated Design Idea 1 and then evaluates Design Idea 2 for all or part of (i), (ii) & (iii) then the idea in greater evidence should be marked.		
	The evaluation of the design must contain reference to either positive or negative aspects not just simply a description of the design.		
	Award 1 mark for correct evaluation / justification relating to each design feature and how it succeeds or fails.		
	Repetition of original spec scores 0.		
	Marks may be awarded for two justifications of one specification point.		
	 (i) Evaluation of: Must have a biscuit base that is easy to shape Positive and negative reasons relating to: Reference made to biscuit base 	2x1	(2)
	Reference made to how the biscuit is easy to shape		
	 (ii) Evaluation of: Must have a design that shows a sporting theme and uses edible decorations Positive and negative reasons relating to: Reference made to how the design is linked to sport Reference made to how the decoration is edible 	2x1	(2)

	 (iii) Evaluation of: Must provide a filling snack and have a good texture Positive and negative reasons relating to: Reference made to how the snack is filling Reference made to how the snack has texture 	2x1	(2)
		(Tot	al 22 marks)
Question Number	Question		
1970_2F_Q04a	 The drawing below shows a vegetarian pasty that is sold pre-packages in small shops and garage for two specification points for the vegetarian pasty are that it must be: suitable to eat hot or cold easy to eat while being held in one hand Under each of the following headings, give <u>one</u> more point that should be included in the specific pasty. For each point, give <u>one</u> reason why it should be included. 		vegetarian
	Answer	Part Mark	Total Mark
	Three specification points given: Three reasons given: It is essential that the point and reason both fully relate to market, environment and quality. (Do not accept repetition of the specification points given) Market Point: to provide a snack product Reason: to fill you up between meals Point: to provide a product for packed lunches/work lunches Reason: a compact product/balanced nutrients/quick meal Point: to provide for vegetarians Reason: to meet dietary/health choices / religious needs / extend the market	3x1 3x1	

Point: to provide a healthier snack meal Reason: to reduce consumption of meat/fat

Point: to appeal to a wide market Reason: suitable for meat eaters and vegetarians

Point: to have a reasonable shelf life Reason: to allow retailer/consumer to store it

Environment

Point: no GM ingredients Reason: may prove to be harmful to the environment/consumer

Point: use of organic vegetables Reason: so that natural/no harmful pesticides/herbicides/fertilizers have been used

Point: to be able to recycle packaging/have biodegradable packaging Reason: to protect the environment/reduce landfill/save resources/prevent litter/be greener/reduce carbon footprint

Quality

Point: well shaped/good shape

Reason: to look attractive to consumer / make people want to buy it / stand out from the competition

Point: fully sealed Reason: to prevent the filling from leaking out / prevent contamination

Point: golden colour Reason: to attract the customer/make it look attractive

Point: even sized pieces of vegetable Reason: to keep the shape/so they don't poke out/break the pastry

Some flexibility should be given as some points may cross over descriptions.

Question Number	Question		
1970_2F_Q04b	The filling in the vegetarian pasty contains a sauce and mixed vegetables. One reason why the to hold the vegetables together.	filling contains	a sauce is
	Give two other reasons for using a sauce.		
	Answer	Part Mark	Total Mark
	 Two reasons given: adds moisture / makes it wetter gives protein gives calcium improves nutrition / better food value / better for you 		
	 adds variety to the texture helps maintain texture when heated / heats well / won't dry out when heated add flavour 	2x1	(2)
Question Number	Question		
1970_2F_Q04c	The filling is put onto the pastry using a Computer Aided Manufacture (CAM) machine.		
	Give two advantages of using a CAM machine to the put the filling onto the pastry.		
	Answer	Part Mark	Total Mark
	 Two advantages given: accurate measurements of filling / the right amount of filling / correct weight of filling accurate placement of filling / putting the filling in the right place / filling in the middle quicker / fill many at one time / lots done at once more cost effective/cheaper than doing it by hand / less staff / less wages 		
	 more cost effective/cheaper than doing it by hand / less start / less wages safer than doing it by hand / less likely to be contaminated / more hygienic 	2x1	(2)

Question Number	Question		
1970_2F_Q04d	The vegetarian pasty is made using shortcrust pastry.		
	Give two properties of shortcrust pastry that makes it suitable for the pasty.		
	For each property give one reasons why shortcrust pastry is suitable.		
	Answer	Part Mark	Total Ma
	Two properties given:		
	Property: crisp/hard/crunchy/strong Reason: makes it firm / holds the filling		
	Property: easy to shape/roll/cut Reason: stretchy/elastic		
	Property: holds shape Reason: gluten sets the pastry		
	Property: authentic taste/texture Reason: traditional		
	Property: doesn't crumble easily Reason: easy to eat / transport/carry	2x1 2x1	(4)

Question Number	Question		
1970_2F_Q04e	The vegetarian pasty is sold in a green coloured package.		
	Explain one reason why the package is green coloured.		
	Answer	Part Mark	Total Mark
	One reason explained:		
	 stands out / attractive to consumers because it suggests vegetables 		
	 identifies a vegetarian product because it is the standard colour used / suggests vegetables 	2x1	(2)
Question Number	Question		
1970_2F_Q04f	The vegetarian pasty has a crimped edge.		
	Explain <u>one</u> reason why the edge is crimped.		
	Answer	Part Mark	Total Mark
	One reason explained:		
	• filling cannot escape because the pastry edges overlap/pinch together		
	 easier/nicer to hold because it provides a thicker/stronger area 		
	gives an attractive/authentic finish because the edge is shaped/decorative	2x1	(2)

Question Number	Question		
1970_2F_Q04gi-ii	Two purposes of the vegetarian pasty are that it must:		
	 be suitable to eat hot or cold be easy to eat while being held in one hand 		
	Explain, under the following headings, how the vegetarian pasty achieves these purposes.		
	Answer	Part Mark	Total Mark
	One explanation given:		
	 (i) Suitable to eat hot or cold: no risk to health as not a high risk food / contains no meat / it is fully cooked / the bacteria have been destroyed during cooking easy to heat if required in a microwave/oven pre-cooked so it will not affect organoliptic/sensory/taste qualities / safe to eat (ii) Easy to eat while being held in one hand: fits into the hand / easy to held because of the dimensions/chane / small size 	2x1	(2)
	 fits into the hand / easy to hold because of the dimensions/shape / small size easy to hold because it is not greasy does not easily flake/crumble because shortcrust pastry used gluten in the flour sets / the pastry goes hard when cooked to make a solid/crisp outer shell / 		
	hold the filling	2x1	(2)
	(TOTAL	(Tota FOR PAPER	al 22 marks) : 88 MARKS)

Design & Technology: Food Technology (3970/2F) Short Course Foundation Tier Mark Scheme

Question Number	Question		
3970_2F_Q01ai-ii	Different tools and equipment are needed to prepare food in the home and in a factory.		
	The table below shows different tools and equipment used to prepare foods.		
	Complete the table by: (iii) naming each tool or piece of equipment (iv) giving an example of a task that can be carried out using each tool or piece of equipment <u>different</u> .	. Each example	e must be
	Answer	Part Mark	Total Mark
	Name: squeezer / juicer Task: squeezing/extracting/removing juice / getting juice out	1 1	
	Name: pastry brush / food brush / glazing brush Task: brushing/glazing egg/milk/oil/fat/water/icing sugar / sealing pastry	1 1	
	Name: bun tin / cake tin / pattie tin / Yorkshire pudding tin / tart tin Task: cooking/moulding/shaping cakes/pastries / putting cake mix in	1 1	(6)
Question Number	Question		
3970_2F_Q01bi	One way a food processor can be used is for rubbing in fat into flour.		
	Give three other ways a food processor can be used to prepare foods.		
	Answer	Part Mark	Total Mark
	Three ways given:		
	whisking/whipping		

	 chopping/cutting grating shredding blending/pureeing/pulping/liquidizing mixing/creaming/beating margarine and sugar mashing chipping slicing kneading 	3x1	(3)
Question Number	Question		
3970_2F_Q01bii	Electrical safety rules must be followed when using a food processor.		
	Give two other safety rules to follow when using a food processor.		
	Answer	Part Mark	Total Mark
	Two rules given:		
	 do not overfill/don't put too much in 		
	 assembled properly/securely / put lid on right use tabs/holes/flat bits on blades/attachments 		
	 wash blades/attachments with a brush 		
	wash at high temperatures/wash in dishwasher to remove bacteria		
	 use tube to add ingredients/add through the funnel/tube don't put hands in when it is working 		
	 don't touch with wet hands / don't use near water 	2x1	(2)
		(Tota	al 11 marks)

Question Number	Question		
3970_2F_Q02ai	Wheat flour is one of the basic ingredients used when cooking food products.		
	Name two different types of wheat flour that are used in cooking.		
	Answer	Part Mark	Total Mark
	Two flours given:		
	• plain		
	self-raising		
	 wholemeal/brown wheatmeal 		
	• granary	2x1	(2)
Question Number	Question		
3970_2F_Q02aii	Describe one nutritional use of wheat flour.		
	Answer	Part Mark	Total Mark
	One nutritional use described:		
	carbohydrate/starch which is used for energy		
	• fibre/NSP which is used for keeping bowels moving / prevent bowel cancer/diverticulitis / make		
	 you go to the toilet calcium for increased bone/teeth strength / prevent osteoporosis 		
	iron for generating red blood cells/haemoglobin / preventing anaemia		
	 protein which is used for growth/repair of cells / mending your skin vitamin D aids the absorption of calcium 	2x1	(2)

Question Number	Question		
3970_2F_Q02bi	A cheese sauce is being developed for a new food product.		
	Describe how wheat flour helps to thicken the cheese sauce.		
	Answer	Part Mark	Total Mark
	Thickening of flour described:		
	 the flour absorbs water / gelatinises / swells/bursts the starch grains to thicken the sauce when heated (only answer) 	2x1	(2)
Question Number	Question		
3970_2F_Q02bii	Give three natural ways in which flavour could be added to the cheese sauce.		-
	Answer	Part Mark	Total Mark
	Three ways given:		
	 salt pepper mustard herbs spices onions/garlic/leeks mushrooms peppers stilton/parmesan/red Leicester/blue cheese/goat cheese 		
	 ham/bacon/salami/pepperoni/pastrami tuna/salmon/smoked fish 	3x1	(3)

Question Number	Question		
3970_2F_Q02biii	Buying extra ingredients adds to the cost of making a food product.		
	Explain one other way in which using extra ingredients increases the costs.		
	Answer	Part Mark	Total Mark
	One way explained:		
	 increased energy costs because it will take longer to make / more things to do in the recipe specialist/new equipment may have to be bought because of the different processes / extra things done increased wages bill/more staff because more hand preparation / changes to manufacturing 		
	 increased transport costs because more ingredients have to be delivered 	2x1	(2)
		(Tot	al 11 marks)
Question Number	Question		
3970_2F_Q03a	The drawing below shows a vegetarian pasty that is sold pre-packages in small shops and garage forecourts.		
	Two specification points for the vegetarian pasty are that it must be:		
	 suitable to eat hot or cold easy to eat while being held in one hand 		
	Under each of the following headings, give <u>one</u> more point that should be included in the specific pasty.	ation for the	vegetarian
	For each point, give one reason why it should be included.		
	Answer	Part Mark	Total Mark
	Three specification points given: Three reasons given: It is essential that the point and reason both fully relate to market, environment and quality. (Do not accept repetition of the specification points given)	3x1 3x1	

Market

Point: to provide a snack product Reason: to fill you up between meals

Point: to provide a product for packed lunches/work lunches Reason: a compact product/balanced nutrients/quick meal

Point: to provide for vegetarians Reason: to meet dietary/health choices / religious needs / extend the market

Point: to provide a healthier snack meal Reason: to reduce consumption of meat/fat

Point: to appeal to a wide market Reason: suitable for meat eaters and vegetarians

Point: to have a reasonable shelf life Reason: to allow retailer/consumer to store it

Environment

Point: no GM ingredients Reason: may prove to be harmful to the environment/consumer

Point: use of organic vegetables Reason: so that natural/no harmful pesticides/herbicides/fertilizers have been used

Point: to be able to recycle packaging/have biodegradable packaging Reason: to protect the environment/reduce landfill/save resources/prevent litter/be

greener/reduce carbon footprint

Quality

Point: well shaped/good shape

Reason: to look attractive to consumer / make people want to buy it / stand out from the competition

	Point: fully sealed Reason: to prevent the filling from leaking out / prevent contamination		
	Point: golden colour Reason: to attract the customer/make it look attractive		
	Point: even sized pieces of vegetable Reason: to keep the shape/so they don't poke out/break the pastry		
	Some flexibility should be given as some points may cross over descriptions.		
Question Number	Question		
3970_2F_Q03b	The filling in the vegetarian pasty contains a sauce and mixed vegetables. One reason why the to hold the vegetables together.	filling contains	a sauce is
	Give two other reasons for using a sauce.		
	Answer	Part Mark	Total Mark
	Two reasons given:		
	 adds moisture / makes it wetter gives protein gives calcium improves nutrition / better food value / better for you adds variety to the texture below maintain texture when bested (beste well (wen/t dm out when bested 		
	 helps maintain texture when heated / heats well / won't dry out when heated add flavour 	2x1	(2)

Question Number	Question		
3970_2F_Q03c	The filling is put onto the pastry using a Computer Aided Manufacture (CAM) machine.		
	Give two advantages of using a CAM machine to the put the filling onto the pastry.		
	Answer	Part Mark	Total Mark
	Two advantages given:		
	 accurate measurements of filling / the right amount of filling / correct weight of filling accurate placement of filling / putting the filling in the right place / filling in the middle quicker / fill many at one time / lots done at once more cost effective/cheaper than doing it by hand / less staff / less wages 		
	 safer than doing it by hand / less likely to be contaminated / more hygienic 	2x1	(2)

Question Number	Question		
3970_2F_Q03d	The vegetarian pasty is made using shortcrust pastry.		
	Give <u>two</u> properties of shortcrust pastry that makes it suitable for the pasty. For each property give <u>one</u> reasons why shortcrust pastry is suitable.		
	Answer	Part Mark	Total Mark
	Two properties given: Property: crisp/hard/crunchy/strong Reason: makes it firm / holds the filling Property: easy to shape/roll/cut		
	Reason: stretchy/elastic Property: holds shape		
	Reason: gluten sets the pastry Property: authentic taste/texture Reason: traditional		
	Property: doesn't crumble easily Reason: easy to eat / transport/carry	2x1 2x1	(4)

Question Number	Question		
3970_2F_Q03e	The vegetarian pasty is sold in a green coloured package.		
	Explain <u>one</u> reason why the package is green coloured.		
	Answer	Part Mark	Total Mark
	One reason explained:		
	 stands out / attractive to consumers because it suggests vegetables 		
	 identifies a vegetarian product because it is the standard colour used / suggests vegetables 	2x1	(2)
Question Number	Question		
3970_2F_Q03f	The vegetarian pasty has a crimped edge.		
	Explain one reason why the edge is crimped.		
	Answer	Part Mark	Total Mark
	One reason explained:		
	• filling cannot occane because the pastry edges everlap/pinch together		
	 filling cannot escape because the pastry edges overlap/pinch together easier/nicer to hold because it provides a thicker/stronger area 		
	 gives an attractive/authentic finish because the edge is shaped/decorative 	2x1	(2)

Question Number	Question			
3970_2F_Q03g	Two purposes of the vegetarian pasty are that it must:			
	 be suitable to eat hot or cold be easy to eat while being held in one hand 			
	Explain, under the following headings, how the vegetarian pasty achieves these purposes.			
	Answer	Part Mark	Total Mark	
	One explanation given:			
	 (i) Suitable to eat hot or cold: no risk to health as not a high risk food / contains no meat / it is fully cooked / the bacteria have been destroyed during cooking easy to heat if required in a microwave/oven pre-cooked so it will not affect organoliptic/sensory/taste qualities / safe to eat (ii) Easy to eat while being held in one hand: fits into the hand / easy to hold because of the dimensions/shape / small size easy to hold because it is not greasy 	2x1	(2)	
	 easy to hold because it is not greasy does not easily flake/crumble because shortcrust pastry used gluten in the flour sets / the pastry goes hard when cooked to make a solid/crisp outer shell / hold the filling 	2x1	(2)	
	(TOTAL	(Total 22 marks) (TOTAL FOR PAPER : 44 MARKS)		