



2013 Lifestyle and Consumer Technology

Intermediate 2

Finalised Marking Instructions

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Part One: General Marking Principles for Lifestyle and Consumer Technology Intermediate 2

This information is provided to help you understand the general principles you must apply when marking candidate responses to questions in this Paper. These principles must be read in conjunction with the specific Marking Instructions for each question.

- (a)** Marks for each candidate response must always be assigned in line with these general marking principles and the specific Marking Instructions for the relevant question. If a specific candidate response does not seem to be covered by either the principles or detailed Marking Instructions, and you are uncertain how to assess it, you must seek guidance from your Team Leader/Principal Assessor. *You can do this by posting a question on the Marking Team forum or by e-mailing/phoning the e-marker Helpline.*

- (b)** Marking should always be positive ie, marks should be awarded for what is correct and not deducted for errors or omissions.

GENERAL MARKING ADVICE: Lifestyle and Consumer Technology Intermediate 2

The marking schemes are written to assist in determining the “minimal acceptable answer” rather than listing every possible correct and incorrect answer. The following notes are offered to support Markers in making judgements on candidates’ evidence, and apply to marking both end of unit assessments and course assessments.

Part Two: Marking Instructions for each Question










Question			Expected Answer/s	Max Mark	Additional Guidance
1	a	i	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Lack of exercise 2. Heredity 3. Stress 4. High intake of alcohol 5. Smoking 6. Diabetes 7. High blood pressure <p>2 x 1 mark for correct identification of lifestyle factors</p>	2	
		ii	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. High intake of fat 2. Low intake of fibre/NSP 3. Low intake of fruit/vegetables 4. Low intake of ACE vitamins 5. Low intake of oily fish/omega 3 6. High intake of protein (excess converted to fat leading to overweight/obesity) 7. High intake of salt 8. Too much food (leading to obesity) <p>2 x 1 mark for correct identification of dietary factors</p>	2	
	b		<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Eat a diet high in calcium 2. Eat a diet high in vitamin D 3. Maintain ideal weight/avoid being overweight/obese 4. Exercise regularly/do weight-bearing exercises 5. Do not smoke 6. Limit/avoid alcohol 7. Limit/avoid caffeine <p>2 x 1 mark for correct ways to reduce risk of osteoporosis</p>	2	

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c	Core skill: Evaluation	4																							
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		Fact	Opinion	Link	Consequence
		Vit C 42mg/ correct amount/ high RNI 40g	Suitable	(Teenage girl)	<ol style="list-style-type: none"> 1. Will absorb iron so help prevent anaemia 2. Required for the production of blood as she is still growing 3. Helps heal wounds quicker and teenagers may be prone to injuries 4. Will promote healthy skin and teenagers are prone to skin problems 5. Antioxidant which may help prevent cancers/heart disease later in life 6. Help absorb iron needed to replace blood lost through menstruation
		Iron 10g/ low RNI 14.8	Not suitable	(Teenage girl)	<ol style="list-style-type: none"> 1. May make her anaemia worse 2. Will help replace blood lost through menstruation 3. Needed for the formation of red blood cells and she is still growing 4. Will be very tired/lack of concentration
Sodium 1800mg/ high RNI 1600	Not suitable	(Teenage girl)	<ol style="list-style-type: none"> 1. Increased risk of high blood pressure/hypertension/strokes 2. Increased risk of kidney damage 3. Does not meet the Scottish Dietary Target for salt intake 		
4 x 1 mark for each correct point of evaluation linked to the needs of the teenage girl					

Question		Expected Answer/s	Max Mark	Additional Guidance
	d	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Reduces feelings of tiredness/lethargy 2. Reduces blood pressure 3. Increases flow of blood to the muscles 4. Increases concentration 5. May calm emotions/reduce stress 6. Reduces headaches 7. Enhances immunity <p>2 x 1 mark for correct benefits</p>	2	

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c	<p>Core skill: Recall and Use of Knowledge</p> <p>Advantages</p> <ol style="list-style-type: none"> 1. No need to carry cash which may be lost/more secure 2. May be able to take advantage of special offers (if cash is not available) 3. May offer loyalty points 4. May offer special deals only available to card holders 5. No interest charged if balance paid in full <p>Disadvantages</p> <ol style="list-style-type: none"> 1. Can overspend/get into debt 2. (Must pay in full monthly or) interest will be charged 3. Interest rates may be high 4. Card may be lost/stolen/used fraudulently <p>1 mark for correct advantage 1 mark for correct disadvantage</p>	2									

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3	a	cont....			
		Suitable for 6 months – 3 years	Suitable	Parent	<ol style="list-style-type: none"> 1. Can be used straight away/for the holiday 2. Will last till the child can walk without needing carried 3. Can be used for 2 ½ years so may be good value/cost effective
				Baby/toddler	<ol style="list-style-type: none"> 1. Will be correct size at time of holiday/can be used immediately 2. Carrier may also be used by the toddler if tired
			Not suitable	Parent	<ol style="list-style-type: none"> 1. May be paying for something they only need for a short time
		5 – point safety harness	Suitable	Parent	<ol style="list-style-type: none"> 1. Will be assured that the baby will be safely strapped in/will not slip out. 2. Will not need to buy a separate harness
				Baby	<ol style="list-style-type: none"> 1. Will be strapped in securely 2. Will not fall out of the carrier
		Detachable headrest	Suitable	Parent	<ol style="list-style-type: none"> 1. Will be assured that the baby's head will be adequately supported 2. Will be assured that the baby's head will be less likely to be knocked
				Baby	<ol style="list-style-type: none"> 1. Will be more comfortable so happy to sit in the carrier
			Not suitable	Parent	<ol style="list-style-type: none"> 1. May be lost/misplaced

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Question		Expected Answer/s	Max Mark	Additional Guidance	
3	a	cont....			
		Fact	Opinion	Link	Conclusion/judgement
		Quick release fastening to secure/release the baby	Suitable	Parent	<ol style="list-style-type: none"> Will make it quicker to put baby in/take out of carrier Will make it easier to put baby in/take out of carrier Will make it quicker/easier to put baby in/take out while travelling
				Baby	<ol style="list-style-type: none"> May be less stressful/uncomfortable when being put in/taken out of the carrier.
			Not suitable	Parent/baby	<ol style="list-style-type: none"> May come open while baby is in the carrier
		Suitable for 6 months to 2 years	Suitable	Parent	<ol style="list-style-type: none"> Can be used straight away/for the holiday Will last till the child can walk without needing carried Can be used for 1 ½ years/until the child is 2 years old so may be good value/cost effective
				Baby	<ol style="list-style-type: none"> Will be correct size at time of the holiday
			Not suitable	Parent	<ol style="list-style-type: none"> May be paying for something they only need for a short time
		Integral changing mat	Suitable	Parent	<ol style="list-style-type: none"> Can use this to change the baby while on holiday/travelling/on daytrips Do not need to take a separate mat on holiday
				Baby	<ol style="list-style-type: none"> Will be more comfortable when changing nappy
			Not suitable	Parent	<ol style="list-style-type: none"> May not need a changing mat while on holiday May be paying for a feature they do not need May add extra weight/bulk/more to carry for travelling

Question		Expected Answer/s	Max Mark	Additional Guidance																							
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Question		Expected Answer/s	Max Mark	Additional Guidance
3	b	cont....		
		Adjustable padded shoulder straps	Toddler	<ol style="list-style-type: none"> 1. Will be more comfortable to carry the bag/required by the spec 2. Will be able to carry the bag for longer 3. Will be able to be set to the correct size to fit the toddler properly 4. Will be able to grow with the toddler
			Parent	<ol style="list-style-type: none"> 1. Will be able to carry the bag if necessary 2. Bag will last longer as will grow with the toddler/may be better value for money
		Choice of 3 cartoon characters available	Toddler	<ol style="list-style-type: none"> 1. Will be more likely to find a cartoon he/she likes 2. Will like the bag so will be happy to carry it
			Parent	<ol style="list-style-type: none"> 1. Less likely to have to carry the bag as toddler will like it
		Large main compartment	Toddler	<ol style="list-style-type: none"> 1. Will hold enough/plenty toys to play with on the journey 2. Will hold toys/snacks which is what was required
			Parent	<ol style="list-style-type: none"> 1. Will hold enough toys/snacks so will not have to carry extra bags
		Exterior zipped pocket	Toddler/Parent	<ol style="list-style-type: none"> 1. Will be able to keep smaller toys/snacks so they will not get lost/required by the spec 2. Smaller toys/snacks will be easy to reach 3. Zip will keep items secure 4. Will be likely to be able to open/close pocket him/herself
		Drinks bottle included	Toddler	<ol style="list-style-type: none"> 1. Will appeal as she wishes to take snacks/required by the spec 2. Will match bag which may appeal
			Parent	<ol style="list-style-type: none"> 1. Will not incur extra cost/better value for money

Question		Expected Answer/s	Max Mark	Additional Guidance			
3	b	cont....					
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		1 mark for correct choice 3 x 1 mark for reasons linked to the case study					
	c	Core skill: Recall and Use of Knowledge 1. Goods must match the description given 2. Goods must be fit for their purpose 3. Goods must be of satisfactory quality 4. Goods must be free from minor defects 5. Goods must be safe 6. Purchaser is entitled to a refund if goods do not meet these criteria	2				
		2 x 1 mark for correct points					

Question		Expected Answer/s	Max Mark	Additional Guidance									
3	d	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Introduce only one new food at a time 2. Serve small/appropriate sized portions 3. Cut food into small pieces/easy to manage with cutlery 4. Serve a variety of foods 5. Serve a variety of flavours/textures 6. Serve food attractively 7. Use the child's own/sized plate/cutlery 8. Do not serve food which is too hot 9. Involve child in preparation/serving of food 10. Encourage good table manners 11. Do not leave child alone while eating <p>2 x 1 mark for correct factors</p>	2										
4	a	<p>Core skill: Recall and Use of Knowledge</p> <p>Correct choice: Dishwasher B</p> <table border="1"> <thead> <tr> <th>Fact</th> <th>Link</th> <th>Justification</th> </tr> </thead> <tbody> <tr> <td>12 place settings/(equal) largest</td> <td>Café</td> <td> <ol style="list-style-type: none"> 1. Will have enough space to wash the amount of dishes used 2. Will have enough space to wash all the equipment used 3. Will be able to do a lot of dishes at once saving energy (as he wishes to be environmentally friendly) </td> </tr> <tr> <td>7 programmes/(equal) most</td> <td>Café</td> <td> <ol style="list-style-type: none"> 1. Will have a suitable programme for all the washing up required 2. Will be able to choose the quickest/most energy efficient for the load 3. Will be able to choose the most energy efficient and he wishes to be environmentally friendly </td> </tr> </tbody> </table>	Fact	Link	Justification	12 place settings/(equal) largest	Café	<ol style="list-style-type: none"> 1. Will have enough space to wash the amount of dishes used 2. Will have enough space to wash all the equipment used 3. Will be able to do a lot of dishes at once saving energy (as he wishes to be environmentally friendly) 	7 programmes/(equal) most	Café	<ol style="list-style-type: none"> 1. Will have a suitable programme for all the washing up required 2. Will be able to choose the quickest/most energy efficient for the load 3. Will be able to choose the most energy efficient and he wishes to be environmentally friendly 	4	
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4	a	cont....		
		Fact	Link	Justification
		Powerwash cycle	Café	<ol style="list-style-type: none"> 1. Will be powerful enough to cope with the dirtiest dishes/equipment 2. Will remove stubborn stains/food residue 3. Will clean pots/oven trays 4. Will save time/effort having to rewash dishes/equipment 5. Will be sure dishes/equipment are hygienic/avoid food poisoning
		30 minute quick wash/quickest programme	Café	<ol style="list-style-type: none"> 1. Will use less water/detergent/fuel and he wishes to be environmentally friendly 2. Will use less water/detergent/fuel and he will save money 3. Will have clean dishes to use if in a hurry/café is busy
		Water consumption 12 litres/second lowest/lowest of the 12 setting washers	Café	<ol style="list-style-type: none"> 1. Uses less water and he wishes to be environmentally friendly 2. Uses less water so he will use less fuel/be cheaper to run
		Noise level – low/(equal) lowest/best	Café	<ol style="list-style-type: none"> 1. Customers will not be disturbed 2. He wishes to be environmentally friendly
		Adjustable racks	Café	<ol style="list-style-type: none"> 1. Will accommodate all the café's dishes/equipment 2. Will be able to wash dishes/equipment as required 3. Will be able to mix/match the dishes/equipment being washed
Removable cutlery baskets	Café	<ol style="list-style-type: none"> 1. Can be taken out to fit in more/larger equipment 2. Can be taken out to provide additional washing space 3. Can be filled at another point in the kitchen if this is more convenient 		

Question		Expected Answer/s	Max Mark	Additional Guidance
4	b	<p>Core skill: Recall and Use of Knowledge</p> <p>Energy rating</p> <ol style="list-style-type: none"> 1. The energy efficiency is shown on a scale of A – G allowing consumers to make an informed choice 2. Consumer may look for the most energy efficient dishwasher 3. This appliance is rate A so the consumer will know that it will use least energy/be most energy efficient <p>Cleaning performance</p> <ol style="list-style-type: none"> 1. How well the machine washes the dishes is shown on a scale of A – G allowing consumers to make an informed choice 2. Consumer may look for the dishwasher with the best performance 3. This appliance is rated A so the consumer will know that it will give a very good result <p>Eco label</p> <ol style="list-style-type: none"> 1. This dishwasher had been made using methods which will not harm the environment 2. Ensures the highest energy efficiency from the appliance 3. This product will not harm the environment 4. The environmentally friendly consumer can buy/use this appliance with confidence <p>2 x 1 mark for correct explanations</p>	2	

Question		Expected Answer/s	Max Mark	Additional Guidance
4	c	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Turn off appliances when not in use/do not leave appliances on standby 2. Choose energy efficient appliances/light bulbs 3. Source energy from cheapest supplier 4. Service/clean appliances regularly to ensure maximum efficiency 5. Open fridges/freezers as little as possible 6. Use microwave/pressure cooker/steam oven to speed up cooking/save energy 7. Set heating/lighting on timer switches 8. Insulate café/close curtains at night 9. Turn heating thermostat down <p>2 x 1 mark for correct ways</p>	2	
	d	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Raw meat/poultry 2. Cooked meats/poultry/meat products 3. Fish/shellfish/seafood 4. Milk/cream/dairy products 5. Eggs 6. Mayonnaise 7. Custard 8. Gravy/stock 9. Cooked rice <p>2 x 1 mark for correct foods</p>	2	
	e	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Warmth (5°C - 63°C) 2. Moisture 3. Food 4. Time 5. Oxygen 6. pH <p>2 x 1 mark for correct conditions</p>	2	

Question		Expected Answer/s	Max Mark	Additional Guidance												
5	a	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Use as a filling for sandwiches/wraps 2. Use as a filling for baked potatoes 3. Replace meat with fish (accept examples) 4. Replace meat in pies/pastry dishes with fish 5. Use in pasta sauces/to fill pasta shapes/in rice dishes (accept examples) 6. Use in pizza toppings 7. Offer fish soup 8. Use in potato based products (accept examples) <p>2 x 1 mark for correct practical ways</p>	2													
5	b	<p>Core skill: Drawing conclusions</p> <p>Correct Choice: Meal Deal A</p> <table border="1"> <thead> <tr> <th>Fact</th> <th>Link</th> <th>Conclusion/justification</th> </tr> </thead> <tbody> <tr> <td>Chicken salad wrap</td> <td>Pupils</td> <td> <ol style="list-style-type: none"> 1. Chicken (instead of red meat) helps meet SDT to reduce intake of fat/reduce intake of saturated fat 2. Salad helps meet SDT to increase intake of fruit and vegetables 3. Wrap helps meet SDT to increase intake of Total Complex Carbohydrate </td> </tr> <tr> <td>Fruit pot with low fat yoghurt</td> <td>Pupils</td> <td> <ol style="list-style-type: none"> 1. Fruit helps to meet SDT to increase intake of fruit and vegetables 2. Low fat yoghurt helps to meet SDT to reduce intake of fat/reduce intake of saturated fat </td> </tr> <tr> <td>Fresh fruit juice</td> <td>Pupils</td> <td> <ol style="list-style-type: none"> 1. Fruit juice helps to meet SDT to increase intake of fruit and vegetables </td> </tr> </tbody> </table> <p>1 mark for correct choice 3 x 1 mark for correct reason linked to the case study</p>	Fact	Link	Conclusion/justification	Chicken salad wrap	Pupils	<ol style="list-style-type: none"> 1. Chicken (instead of red meat) helps meet SDT to reduce intake of fat/reduce intake of saturated fat 2. Salad helps meet SDT to increase intake of fruit and vegetables 3. Wrap helps meet SDT to increase intake of Total Complex Carbohydrate 	Fruit pot with low fat yoghurt	Pupils	<ol style="list-style-type: none"> 1. Fruit helps to meet SDT to increase intake of fruit and vegetables 2. Low fat yoghurt helps to meet SDT to reduce intake of fat/reduce intake of saturated fat 	Fresh fruit juice	Pupils	<ol style="list-style-type: none"> 1. Fruit juice helps to meet SDT to increase intake of fruit and vegetables 	4	
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5	c	<p>Core skill: Recall and Use of Knowledge</p> <ol style="list-style-type: none"> 1. Name of product 2. Description of product 3. Quantity/amount/weight/volume 4. Ingredients list 5. Origin of product 6. Storage advice 7. Preparation guidelines 8. Cooking guidelines 9. Allergy advice 10. Name and address of manufacturer/producer 11. Lot/batch number <p>4 x 1 mark for correct point of information</p>	4	
	d	<p>Core skill: Recall and Use of Knowledge</p> <p>Food Safety Act (1990)</p> <ol style="list-style-type: none"> 1. Food must be fit for human consumption 2. Food must not injure health of consumers 3. All food must be free from contamination 4. Offenders can be fined/prosecuted 5. Foods sold must be as stated (accept suitable example) 6. Foods sold must be as described/so consumers are not misled (accept suitable example) 7. Act applies to all food premises. 8. All food premises must be registered 9. All employees have a responsibility of 'due diligence' <p>1 mark for correct Act 1 mark for correct point relating to Act</p>	2	

Intermediate 2 Home Economics

Analysis of Question Paper for 2013

Health and Food Technology

Lifestyle and Consumer
Technology

Fashion and Textile
Technology

Analysis of question content, choice and mark allocation.

Q	Content outline	Content grid		Choice		Mark	
		MPA/PD/CS	Page	yes	no	Skill	Mark
1	(a) Dietary and lifestyle factors linked to coronary heart disease	MPA	7		✓	KU	4
	(b) Groups at risk from anaemia	MPA	7		✓	KU	2
	(c) Evaluation of diet for an anaemic teenage girl	MPA	9		✓	EV	4
	(d) Benefits of sleep	MPA	7		✓	KU	2
	(e)						
2	(a) Principles of design – cycling top	PD	23	✓		KU	4
	(b) Textile care labels	CS	16	✓		KU	2
	(c) Method of payment – storecard	CS	14		✓	DC	2
	(d) Choice of sports drink for cyclist	CS	12		✓	KU	4
	(e)						
3	(a) Evaluation of baby carrier	PD	23	✓		EV	4
	(b) Choice of children's luggage	PD	23		✓	DC	4
	(c) Sale and Supply of Goods Act 1994	CS	10		✓	KU	2
	(d) Feeding children	MPA	18		✓	KU	2
	(e)						
4	(a) Choice of dishwasher for a café	PD	23		✓	DC	4
	(b) Energy label	CS	15	✓		KU	2
	(c) Reducing energy costs	PD	24		✓	KU	2
	(d) Conditions for bacterial growth	MPA	9		✓	KU	2
	(e) High risk foods	MPA	9		✓	KU	2
5	(a) Practical ways of increasing fish consumption	MPA	8		✓	KU	2
	(b) Choice of meal deal for school cafeteria	MPA	128		✓	DC	4
	(c) Food labels	CS	1315		✓	KU	4
	(d) Food safety Act	MCS	17		✓	KU	2
	(e)						

		Context:	Health and Food Technology
		✓	Lifestyle and Consumer Technology
Intermediate 2 Home Economics. Analysis of Question Paper for the Year 2013			Fashion and Textile Technology
Question Paper Summary: Mark Allocation			

Question	Component Unit			Skill Assessment				
	Management of Practical Activities	Product Development	Consumer Studies	Choice	Recall & use of knowledge	Draw conclusions	Evaluate	Totals
1 (a) i	2				2			
1 (a) ii	2			0	2			
(b)	4				2			
(c)	3						4	
(d)	1				2			
Totals	12			0	8		4	12

Intermediate 2 Home Economics. Analysis Question Paper for the Year 2013					Context:	Health and Food Technology		
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Question 1 - 5								
Component Unit					Skill Assessment			
Question	Management of Practical Activities	Product Development	Consumer Studies	Choice	Recall and use of knowledge	Draw conclusions	Evaluate	Totals
1	(a) 4 (b) 2 (c) 4 (d) 2			0	4 2 2		4	12
2	(a) (b) (c) (d)	4	2 2 4	4 2	4 2 2	4		12
3	(a) (b) (c) (d)	4 4	2	4	2 2	4	4	12
4	(a) (b) (c) (d) (e)	4	2	2	2 2 2 2	4		12
5	(a) 2 (b) 4 (c) (d)		4 2		2 4 2	4		12
Totals	24	18	18	12	36	16	8	
Target Range	15-25 marks	15-25 marks	15-25 marks	10-12 marks	30-37 marks	15-20 marks	8-10 marks	60 marks

[END OF MARKING INSTRUCTIONS]