

X117/301

NATIONAL
QUALIFICATIONS
2007

WEDNESDAY, 30 MAY
9.00 AM – 11.00 AM

HOME ECONOMICS
LIFESTYLE AND
CONSUMER
TECHNOLOGY
HIGHER

80 marks are allocated to this paper.

This paper consists of **two** sections.

Candidates should attempt the following:

Section A — All questions

Section B — Question 1 and any other **two** questions.

The breakdown of Knowledge and Understanding (KU) and Evaluation (EV) marks are indicated beside each question.



SECTION A

Attempt ALL questions.

You should spend approximately 30 minutes on this part of the paper.

	<i>Marks</i>
1. State two sources of calcium.	1
2. Name two family structures.	1
3. Identify two trade associations linked to consumer services.	1
4. State two responsibilities of a parent.	1
5. Name two labels, linked to safety, which may be found on white goods.	1
6. What does the abbreviation NSP stand for?	1
7. List two health benefits of Meals on Wheels.	2
8. State two benefits of a vegetarian diet.	2
9. State two areas covered by the Food Safety Act 1990.	2
10. List two advantages of breathable membranes.	2
11. Identify two responsibilities of the Trading Standards Department.	2
12. State two priorities of the Department for Environment, Food and Rural Affairs (DEFRA).	2
13. State one advantage and one disadvantage of genetically modified (GM) foods.	2
	(20)

SECTION B

Attempt THREE questions from this section: Question 1 and any other TWO questions.

You should spend approximately 30 minutes on each question.

Marks

1. (a) Identify and explain **four** factors which may contribute to change a family's lifestyle. **6 KU**
- (b) Explain how **each** of the following services may support a family.
- (i) Health Care
 - (ii) Housing
 - (iii) Social **3 KU**
- (c) Evaluate **each** of the following methods of payment.
- (i) Store Card **2 EV**
 - (ii) Cash **2 EV**
- (d) Identify and explain **two** factors to be considered when choosing clothing to meet the needs of a disabled person. **3 KU**
- (e) Evaluate the support offered to an individual by **each** of the following organisations.
- (i) Shelter
 - (ii) Samaritans **4 EV**
- (20)**

[Turn over

2. (a) The table opposite shows a day's nutrient content of meals eaten by a 45 year old male suffering from hypertension.

Using your knowledge of nutrition, and the information provided, evaluate the suitability of this day's nutritional intake.

5 EV

- (b) Identify and explain **four** factors, other than diet, which may contribute to hypertension.

6 KU

- (c) Identify and explain **two** steps to prevent personal debt.

3 KU

- (d) Evaluate the protection provided to the consumer by the Sale and Supply of Goods to Consumers Regulation 2002.

3 EV

- (e) Explain **three** responsibilities of the Advertising Standards Authority (ASA).

3 KU

(20)

2. (continued)

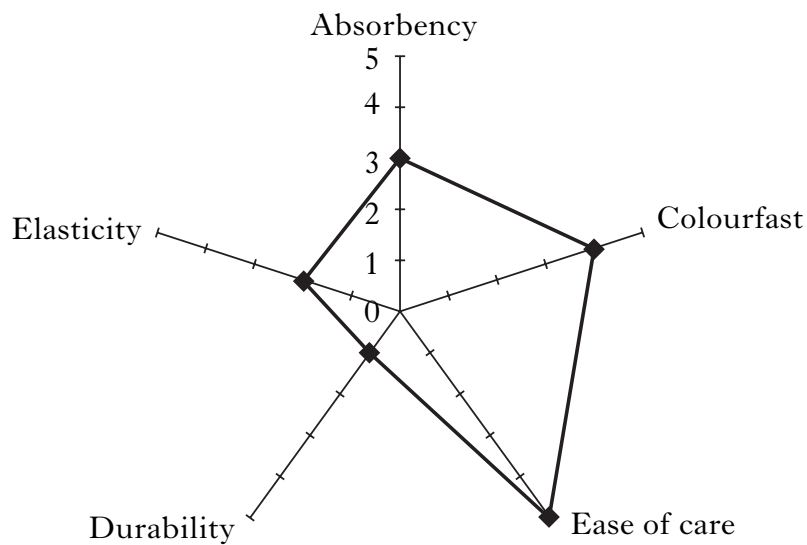
<i>Nutrient content of a day's meals eaten by a 45 year old male</i>							
<i>Energy</i>		<i>Protein</i> (g)	<i>Iron</i> (mg)	<i>Fat</i> (g)		<i>Sodium</i> (mg)	<i>Vitamin C</i> (mg)
(kJ)	(kcal)			<i>Saturated</i>	<i>Polyunsaturated</i>		
8778	2100	68	4.8	45	28	1950	45
% energy intake				19 %	12 %		

<i>Reference Nutrient Intake for Selected Nutrients in the UK (per day) for males aged 19-50</i>			
<i>Protein</i> (g)	<i>Sodium</i> (mg)	<i>Iron</i> (mg)	<i>Vitamin C</i> (mg)
55.5	1600	8.7	40

<i>Estimated Average Requirements for Energy in the UK (per day) for males aged 19-50</i>	
kJ	kcal
10,659	2550

[Turn over

3. (a) Identify and explain **four** ways promotional techniques can influence consumer food choice. **6 KU**
- (b) Evaluate microwave cooking for the elderly. **4 EV**
- (c) Identify and explain **four** stages in the development of a new range of sportswear. **6 KU**
- (d) The star profile shows the results of testing a new fabric.



Evaluate the suitability of this fabric for swimwear.

4 EV
(20)

4. A family wishes to purchase a barbecue.

(a) Evaluate **each** of the following sources of information.

- (i) Which? magazine
- (ii) On-line product details
- (iii) Retailer
- (iv) Family friend

4 EV

(b) Identify and explain **four** factors to consider to prevent food poisoning at a barbecue.

6 KU

(c) The following information is provided on the packaging of a pasta salad.

<i>Pasta Salad</i>
Product Description:
Cooked pasta mixed with yoghurt and herb dressing, mayonnaise, chicken, tomato and bacon.

<i>Pasta Salad (per serving)</i>		
	Per serving	Guideline Daily Amount*
Energy	3350 kilojoules/ 805 kilocalories	40%
Total fat	52.2 g	75%
Saturated fat	13.6 g	68%
Sodium	0.8 g	33%
Total sugar	5.7 g	6%

* Guideline daily amounts are those for a typical adult (men and women).

Evaluate this product in relation to the Scottish dietary targets.

4 EV

(d) Explain the role of the Food Standards Agency (FSA).

3 KU

(e) Evaluate the use of Fairtrade products.

3 EV

(20)

[END OF QUESTION PAPER]

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