

X117/12/01

NATIONAL
QUALIFICATIONS
2015

THURSDAY, 7 MAY
1.00 PM – 3.00 PM

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.

Marks

- | | |
|---|-------------|
| 1. Identify one source of income for a family. | 1 |
| 2. Name one water soluble vitamin. | 1 |
| 3. State one food to avoid during pregnancy. | 1 |
| 4. State one property of wool. | 1 |
| 5. Identify one sensory test. | 1 |
| 6. What does the abbreviation BSI stand for? | 1 |
| 7. Identify one area covered by the Sale and Supply of Goods Act 1994. | 1 |
| 8. State one benefit of a breakfast club. | 1 |
| 9. Identify two ways to avoid cross contamination in the kitchen. | 2 |
| 10. Give two benefits of breastfeeding. | 2 |
| 11. State two benefits of Fairtrade products. | 2 |
| 12. Identify two responsibilities of an Environmental Health Officer. | 2 |
| 13. Give two advantages of food packaging. | 2 |
| 14. Identify one advantage and one disadvantage of online shopping. | 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 three responsibilities of a parent. | 6 KU |
| | (b) Evaluate each of the following ways a family could manage debt.
(i) Personal loan
(ii) Borrow from a friend | 4 EV |
| | (c) Identify and explain three factors to consider when choosing school clothing for a child. | 6 KU |
| | (d) Evaluate how each of the following may affect a family.
(i) Divorce
(ii) Disability of a family member | 4 EV |
| | | (20) |

[Turn over

2. (a) The table opposite shows a day's nutrient content of meals eaten by an overweight teenage boy.
- Using your knowledge of nutrition, and the information provided, evaluate the suitability of the day's nutritional intake. **5 EV**
- (b) Identify and explain **three** factors, **other than diet** which may affect the health of **teenagers**. **6 KU**
- (c) Evaluate the use of **each** of the following food additives to the consumer.
- (i) Food colourings
 - (ii) Preservatives **4 EV**
- (d) Explain the benefits of **each** of the following labels to the consumer.
- (i) Lion Mark
 - (ii) Recycling label
 - (iii) Energy rating label **3 KU**
- (e) Explain the role of the Samaritans. **2 KU**
- (20)**

2. (a) (continued)

<i>Nutrient content of a day's meals eaten by a teenage boy</i>							
<i>Energy</i>		<i>Protein</i> (g)	<i>Calcium</i> (mg)	<i>Iron</i> (mg)	<i>Vitamin A</i> (µg)	<i>Sodium</i> (mg)	<i>NSP</i> (g)
(MJ)	(kcal)						
12.54	3000	50	1100	9	375	1800	10

<i>Reference Nutrient Intake for Selected Nutrients in the UK (per day) for males aged between 15–18 years</i>				
<i>Protein</i> (g)	<i>Calcium</i> (mg)	<i>Iron</i> (mg)	<i>Vitamin A</i> (µg)	<i>Sodium</i> (mg)
55.2	1000	11.3	700	1600

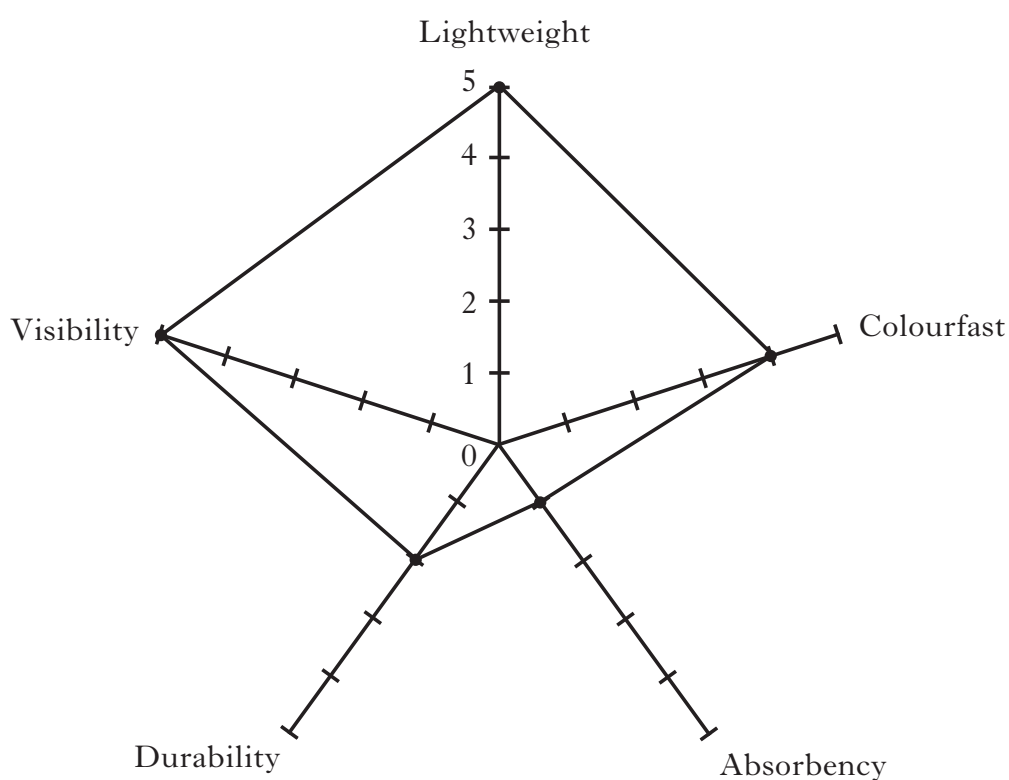
<i>Estimated Average Requirement for Energy and NSP in the UK (per day) for males aged between 15–18 years</i>		
<i>Energy</i>		<i>NSP</i>
<i>MJ</i>	<i>kcal</i>	<i>g</i>
11.51	2755	18

[Turn over

3. (a) Explain **each** of the following steps in the development of a sports bag.
- (i) Concept generation
 - (ii) First production run
 - (iii) Marketing plan
 - (iv) Launch

4 KU

- (b) The star profile below shows results of testing fabric for the sports bag. Evaluate the suitability of the fabric for the sports bag.



4 EV

- (c) Evaluate **each** of the following for sportswear.

- (i) Breathable membranes
- (ii) Elastomeric fibres

4 EV

- (d) Identify and explain **two** family structures.

4 KU

- (e) Explain the benefits of the following services to a family.

- (i) School meals
- (ii) Day care centres

4 KU

(20)

4. (a) Identify and explain **two** causes of dental caries. 4 KU
- (b) Evaluate the following meal in relation to **four different** pieces of Current Dietary Advice.
- Chicken and Vegetable Stir-fry
 - Boiled brown rice
 - Strawberry and cream meringue 4 EV
- (c) Explain how **each** of the following may support a family.
- (i) Housing Services
 - (ii) Social Services 4 KU
- (d) Evaluate **each** of the following methods of payment.
- (i) Cash
 - (ii) Credit Card 4 EV
- (e) Explain the roles and responsibilities of **each** of the following.
- (i) Citizens Advice Bureau (CAB)
 - (ii) Advertising Standards Authority (ASA) 4 KU
- (20)**

[END OF QUESTION PAPER]

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