

FOR OFFICIAL USE

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Total Marks

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X117/201

NATIONAL
QUALIFICATIONS
2010

TUESDAY, 8 JUNE
1.00 PM – 2.30 PM

HOME ECONOMICS
LIFESTYLE AND
CONSUMER
TECHNOLOGY
INTERMEDIATE 2

Fill in these boxes and read what is printed below.

Full name of centre

--

Town

--

Forename(s)

--

Surname

--

Date of birth

Day Month Year

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Scottish candidate number

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Number of seat

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1. Try to answer every question in this paper.
2. Read the whole of each question carefully before you answer it.
Remember that some questions have an element of choice in them.
The breakdown of Knowledge and Understanding (**KU**), Drawing Conclusions (**DC**) and Evaluation (**EV**) marks are indicated beside each question.
3. Write your answers in the spaces provided.
4. Additional lines at the end of the booklet can be used if more space is required for answers or if you need to do any rough work.
5. Before leaving the examination room you must give this book to the Invigilator. If you do not, you may lose all the marks for this paper



Marks

1. (a) Identify and explain **three** factors linked to **diet and lifestyle** which may contribute to obesity in children.

Factor 1 _____ **1 KU**

Explanation _____

_____ **1 KU**

Factor 2 _____ **1 KU**

Explanation _____

_____ **1 KU**

Factor 3 _____ **1 KU**

Explanation _____

_____ **1 KU**

- (b) List **two** food sources of dietary fibre (NSP).

Food source 1 _____ **1 KU**

Food source 2 _____ **1 KU**

Marks

1. (continued)

(c) A second year girl plays in the school netball team.

Taking account of The Dietary Reference Values (DRVs) for females 11–14 years, **evaluate the suitability** of her day's meals.

Dietary Reference Values for Females 11–14 years					
Estimated Average Requirements	Reference Nutrient Intake				
<i>Energy</i> (MJ)	<i>Protein</i> (g)	<i>Vitamin C</i> (mg)	<i>Calcium</i> (mg)	<i>Sodium</i> (g)	<i>NSP</i> (g)
7.92	41.2	35.0	800	1.6	12

Dietary Analysis of the Day's Meals					
<i>Energy</i> (MJ)	<i>Protein</i> (g)	<i>Vitamin C</i> (mg)	<i>Calcium</i> (mg)	<i>Sodium</i> (g)	<i>NSP</i> (g)
6.90	42.6	40.0	630	1.8	10

Evaluation

Point 1 _____

_____ **1 EV**

Point 2 _____

_____ **1 EV**

Point 3 _____

_____ **1 EV**

Point 4 _____

_____ **1 EV**

Marks

2. (a) Explain the importance of folic acid and iron in the diet of a pregnant woman and give **one** food source for **each** of these nutrients.

Folic Acid

Explanation _____

1 KU

Food source _____

1 KU**Iron**

Explanation _____

1 KU

Food source _____

1 KU

- (b) **Other than diet**, state **two** lifestyle factors which are important to the wellbeing of a pregnant woman.

Lifestyle factor 1 _____

1 KU

Lifestyle factor 2 _____

1 KU

*Marks***2. (continued)**

- (c) A young couple on a limited income wish to buy a buggy for their newborn baby. The couple live in an upstairs flat and travel by bus.

Study the information about baby buggies listed below and choose the **most suitable** buggy for the couple to buy.

Information about Baby Buggies		
Baby buggy A	Baby buggy B	Baby buggy C
• suitable from 3 months to 1 year • folds flat • 3 point safety harness with quick release buckle • front facing seat • raincover available at extra cost • £109	• suitable from birth to 2 years • unique automatic folding and unfolding mechanism • 5 point safety harness • rear facing seat • includes shopping tray • £325	• suitable from birth to 3 years • folds one handed • 5 point safety harness with quick release buckle • front and rear facing seat • includes hood, raincover, shopping bag • £199

Tick (✓) **one** of the boxes below to indicate your choice.

Buggy A

☐

Buggy B

☐

Buggy C

☐**1 DC**

Give **three** reasons for your choice.

Reason 1 _____

1 DC

Reason 2 _____

1 DC

Reason 3 _____

1 DC

Marks

2. (continued)

- (d) Give **two** points of information which may be found on the label of a baby's blanket.

Information point 1 _____ **1 KU**

Information point 2 _____ **1 KU**

Marks

3. (a) Members of a school enterprise group plan to make the following items to sell at a fundraising event.

Choose **one** of the following items.

Cushion covers

☐

Biscuits

☐

Tick (✓) **one** of the boxes above to indicate your choice.

Explain the importance of **each** of the following design principles when developing the item.

Aesthetics _____

1 KU

Safety _____

1 KU

Quality _____

1 KU

[Turn over

*Marks***3. (continued)**

- (b) Study the information about fabrics for cushion covers listed below and choose the **most suitable** fabric for the group to use.

Information about Fabrics for Cushion Covers			
	Fabric A	Fabric B	Fabric C
Ease of sewing	***	**	*****
Colour range	***	**	*****
Durability	*****	**	***
Crease resistance	**	***	***
Cost	£££	£	££

Key:

* —————> *****

Poor —————> Excellent

£ —————> ££££

Inexpensive —————> Expensive

Tick (✓) **one** of the boxes below to indicate your choice.

Fabric A

☐

Fabric B

☐

Fabric C

☐**1 DC**

Give **two** reasons for your choice.

Reason 1 _____

1 DC

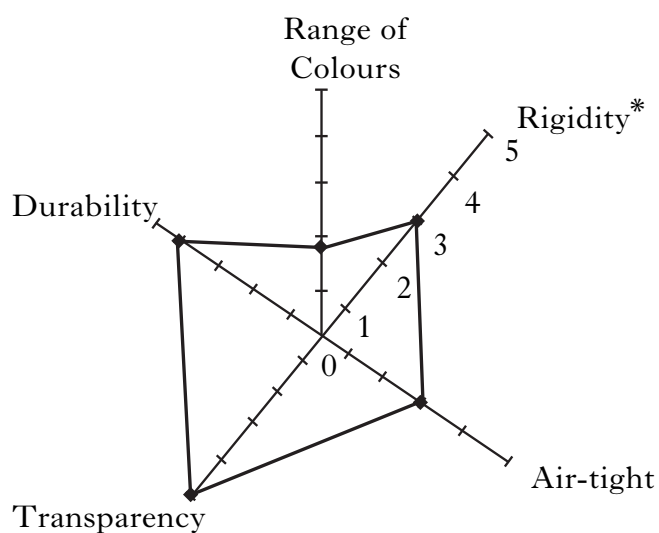
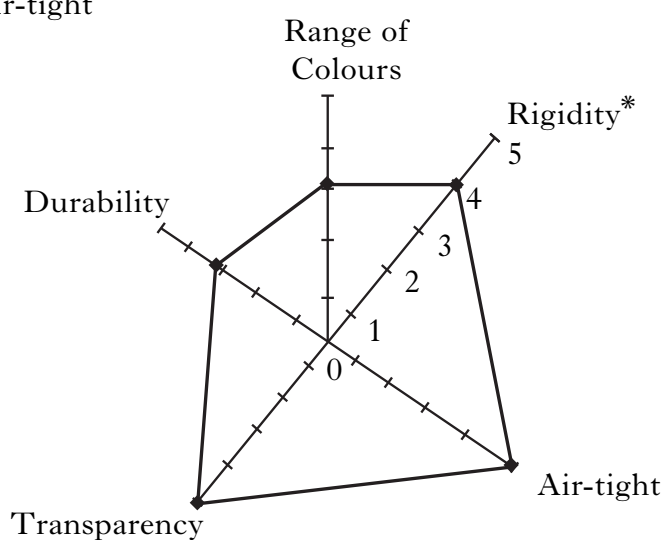
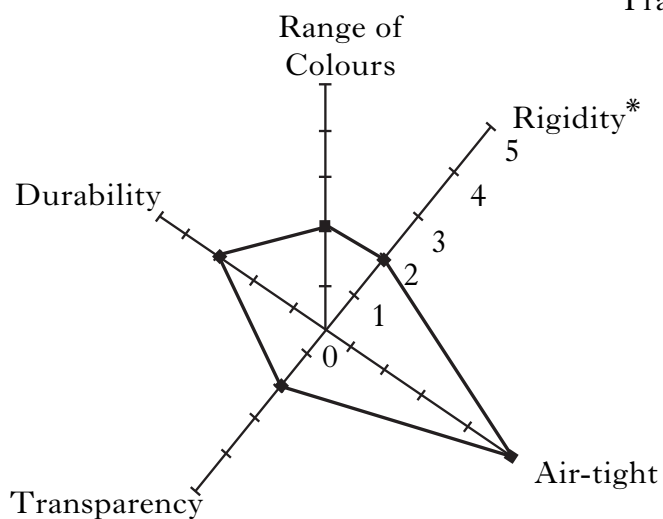
Reason 2 _____

1 DC

[Turn over for Question 3(c) on *Page ten*

3. (continued)

- (c) Study the information about packaging for biscuits below and choose the **most suitable** packaging for the group to use.

Information about Packaging for Biscuits**Packaging A****Packaging B****Packaging C**

* Rigidity means packaging will stay in shape without bending

Key:

1 = poor → 5 = excellent

*Marks***3. (c) (continued)**

Tick (✓) **one** of the boxes below to indicate your choice.

Packaging A

☐

Packaging B

☐

Packaging C

☐**1 DC**

Give **two** reasons for your choice.

Reason 1 _____

1 DC

Reason 2 _____

1 DC

- (d) List **three** points of information which would be required by law on a biscuit label.

Point 1 _____

1 KU

Point 2 _____

1 KU

Point 3 _____

1 KU**[Turn over**

Marks

4. (a) A student who lives away from home wants to open a bank account before starting college.

Study the information about bank accounts listed below.

Evaluate the suitability of **one** of the bank accounts for the student.

Bank Account A	Bank Account B
• £10 credited to account on opening • 24 hour advisor helpline • student credit card with 29% APR • 25% off events at local venues • cash machine on campus • interest free overdraft for 18 year olds • e-statements	• £100 cash prize draw-free entry • on-campus branch with student advisor • mobile phone banking • text alerts on balance • 10% off purchases from college shop • interest charged on overdraft • student loans available

Tick (✓) **one** of the boxes below to indicate your choice.

Bank Account A

☐

Bank Account B

☐

Evaluation

Point 1 _____

_____ **1 EV**

Point 2 _____

_____ **1 EV**

Point 3 _____

_____ **1 EV**

Point 4 _____

_____ **1 EV**

Marks

4. (continued)

- (b) Name an organisation which could give the student advice on preventing debt.

Organisation _____

1 KU

[Turn over

*Marks***4. (continued)**

- (c) The student enjoys fitness training and swimming. He cycles to college and goes to the sports centre on his way home.

Study the information about bags shown below and choose the **most suitable** bag for the student.

Information about Bags			
	Bag A	Bag B	Bag C
			
Size	70 cm × 35 cm × 25 cm	42 cm × 35 cm × 18 cm	60 cm × 30 cm × 30 cm
Fabric	Nylon	Canvas	PVC
Waterproof	Yes	No	Yes
Straps	• 2 adjustable padded shoulder straps • Small carry handle	• Long length adjustable strap	• Short double handles • Detachable long length strap
Pockets	• Large main pocket • 2 front zipped pockets	• 1 open front pocket • 1 open exterior pocket	• Large zip opening at base of bag • 2 side pockets
Features	• Wallet attached to inside of bag • Reflective strips	• Mobile phone compartment inside • Matching CD case available	• Water bottle included • Detachable keyring

*Marks***4. (c) (continued)**

Tick (✓) **one** of the boxes below to indicate your choice.

Bag A ☐ Bag B ☐ Bag C ☐

1 DC

Give **three** reasons for your choice.

Reason 1 _____

1 DC

Reason 2 _____

1 DC

Reason 3 _____

1 DC

(d) Name a Consumer Act which protects the student when buying a bag.

Consumer Act _____

1 KU

(e) State **two** benefits of regular exercise.

Benefit 1 _____

1 KU

Benefit 2 _____

1 KU**[Turn over**

Marks

5. (a) Explain the importance of **each** of the following stages in product development.

Concept generation

Explanation _____

1 KU

First production run

Explanation _____

1 KU

- (b) State **two** reasons why a manufacturer would carry out market research when developing a new product.

Reason 1 _____

1 KU

Reason 2 _____

1 KU

- (c) Study the diagram of the toddler outfit shown opposite. Explain the importance of **four** design features.

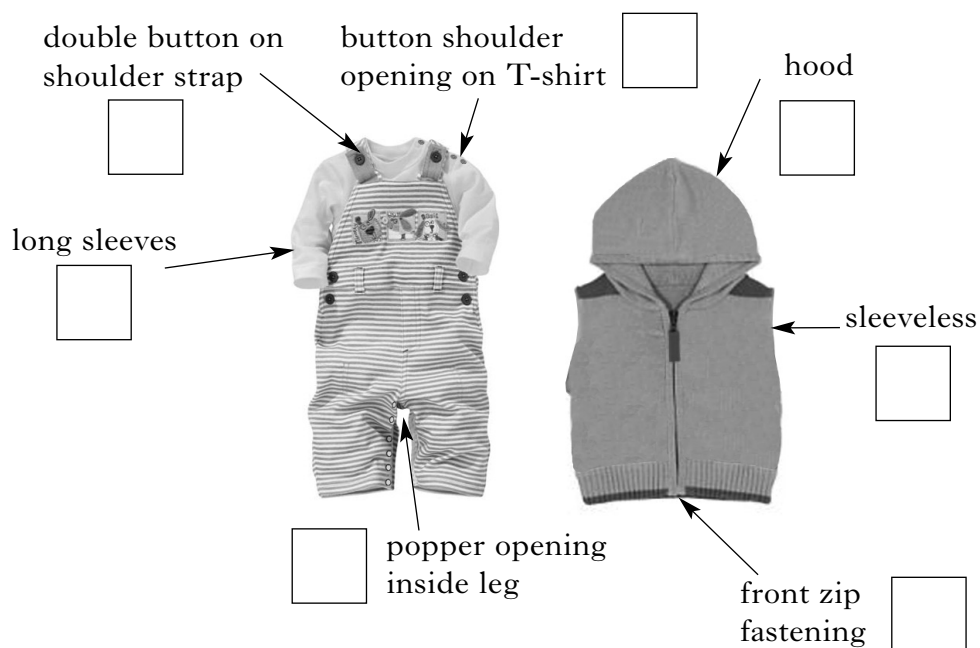
Place the numbers **1, 2, 3** and **4** in the boxes to indicate your choice.

Marks

5. (c) (continued)

Outfit for toddler

Dungarees with T-shirt and sleeveless jacket



Design feature 1

Explanation _____

1 KU

Design feature 2

Explanation _____

1 KU

Design feature 3

Explanation _____

1 KU

Design feature 4

Explanation _____

1 KU

5. (continued)

- (d) A young child who is learning to walk needs new shoes. He attends nursery where they have a soft play area and the children play outdoors for a time each day.

Study the information about shoes below and choose the **most suitable** shoes for the young child.

Information about Shoes			
	Shoe A	Shoe B	Shoe C
Colour range	**	***	***
Water resistant	yes	yes	no
Flexibility	****	***	**
Fastening	T-bar with buckle	Velcro	Velcro
Size range	***	****	***
Additional features	- cotton lining - rubber toe cap	- underfoot cushioning - lightweight	- soft-touch lining - stitching detail

Key:

* —————> ****

Poor —————> Excellent

Tick (✓) **one** of the boxes below to indicate your choice.

Shoe A

☐

Shoe B

☐

Shoe C

☐**1 DC**

Marks

5. (d) (continued)

Give **three** reasons for your choice.

Reason 1 _____

1 DC

Reason 2 _____

1 DC

Reason 3 _____

1 DC

[END OF QUESTION PAPER]

[illegible]