Centre Number			Candidate Number		
Surname					
Other Names					
Candidate Signature					



General Certificate of Education Advanced Subsidiary Examination June 2013

Design and Technology: Product Design (Textiles)

TEXT1

Unit 1 Materials, Components and Application

Tuesday 14 May 2013 9.00 am to 11.00 am

For this paper you must have:

· normal writing and drawing instruments.

Time allowed

• 2 hours

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer all questions in Section A.
- Answer one question from Section B, either Question 8 or Question 9.
- Answer Section C.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- There are 20 marks for Section A, 20 marks for Section B and 40 marks for Section C.

Advice

- Illustrate your answers with sketches and/or diagrams wherever you feel it is appropriate.
- You are advised to spend approximately 30 minutes on Section A, 30 minutes on Section B and one hour on Section C.

For Examiner's Use			
Examine	r's Initials		
Question	Mark		
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
TOTAL			

	Section A	
	Answer all the questions in this section.	
1 (a)	What is meant by the term regenerated fibre?	
1 (b)	(2 marks) Give one example of a regenerated fibre.	
	(1 mark)	3
2	Indicate if the following statements are true or false.	
	Tick the correct box.	
2 (a)	Velvet has a directional pile.	
	True False (1 mark)	
2 (b)	The symbol shown below means <i>do not dry clean</i> .	
	True False (1 mark)	
2 (c)	The symbol shown below tells a consumer that a product is made from 100% wool.	
	R	
	True False (1 mark)	3



3	Explain the differences between the warp and weft yarns used to produce woven fabrics.	
	(3 marks)	
		3
4	Elastane fibres are often added to fabric blends.	
	What special qualities does an elastane fibre give to a fabric?	
	(2 marks)	
		2
5	What is meant by the term <i>grading</i> in relation to pattern templates?	
	(1 mark)	
		1

Turn over for the next question



6	Complete the table below by putting a material from the following list next to the correct description.					
	Petersham	Underlining	Boning			
	Interfacing	Bias binding	Interlining			
	You should not use any of the r	ny of the materials more than once .				
	Description of mater	Material				
	Strengthens and supports a part product.	t of the				
	A narrow fabric cut on the cross neaten edges.	and used to				
	Cut to the same shape as the mand used to prevent a garment I through.					
	Narrow flexible strips used to sti or edges.	ffen seams				
	A layer of fabric between the ma					
			(5 marks)			
7	The labelling and packaging of care advice.	textile products provi	des important information such as	5		
	Give three other different types	of information found	on the labelling of textile products.			
	Type 1					
			(3 marks)			



Section B

Answer either Question 8 or Question 9.

8 Look at the pictures of the special occasion dresses shown below.

Dress A



Dress B



8 (a)	Dress A	A is	made	from	polyester	chiffon	with	а	polyester	satin	lining.

Evaluate the suitability of these fabrics for special occasion dresses.



 (6 marks)



8 (b)	Dress B is made from silk crepe.
	Evaluate the suitability of this fabric for special occasion dresses.
	(6 marks)





8 (c)	Dress A is from 2013 and Dress B was fashionable in 1925.							
	Since 1925 there have been many technical developments in textiles.							
	Analyse the ways in which modern materials and methods of manufacture have had an impact on fashion special occasion wear.							



(8 marks)
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-

20



	Do not answer this question if you have answered Question 8.
9 (a)	The following finishes are often used on fabrics:
	brushing heat setting calendering.
	For each of the finishes listed above:
	 describe the effect it will have on a fabric explain the reasons it is needed on some fabrics and products.
	Give some examples to support your answer.



marks)

11



20

9 (b)	Describe one modern or smart textile material which is used for high performance sportswear.
	Explain how it can benefit the user.
	(5 marks)



Section C

Answer this question.

Look at the photographs of the decorative doorstop shown below. The doorstop is in the shape of a caravan.

Front view



Side view



Back view



10	(a)	Δ	felted	fahric	hae	heen	hagu	for	the	ton	of th	10 (doorstop
10	(a)	А	renea	Tablic	Has	Deen	usea	IOI	me	IOO	OLU	ıe (JOOISIOD

Describe how a felted fabric is made. You may use diagrams.

(4 marks)



Explain how this is done. (2 marks) 10 (c) Analyse the ways in which trimmings and components have been used on the doorstop.	10 (b)	The spotted pattern has been achieved on the fabric of the doorstop by using printing.	esist
10 (c) Analyse the ways in which trimmings and components have been used on the doorstop.		Explain how this is done.	
10 (c) Analyse the ways in which trimmings and components have been used on the doorstop.			
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	10 (c)	Analyse the ways in which trimmings and components have been used on the	(2 mame)
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M marks)			
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(A marks)			
(A marks)			
(A marks)			
(A marks)			
(A marks)			
(A marke)			
(4 Marks)			(4 marks)







10 (d)	The doorstop is in the shape of a caravan. The manufacturer wants to extend the range of these doorstops to include different forms of transport.
	Using this page and the next page, show how you could modify the basic design shown on page 13 to make another doorstop in the range. Include information about fabrics, components and decorative techniques to be used.



(8 marks)



10 (e)	Explain how the making of prototypes of the doorstop would help:
	the designerthe manufacturer.
	(5 marks)
10 (f)	The fabric for the base of the doorstop, shown on page 13, has been tested to ensure that it is durable enough to stand up to the expected wear and tear.
	Describe a test that the fabric technologist might have carried out to check the durability of the fabric.



(6 marks)

Question 10 continues on the next page



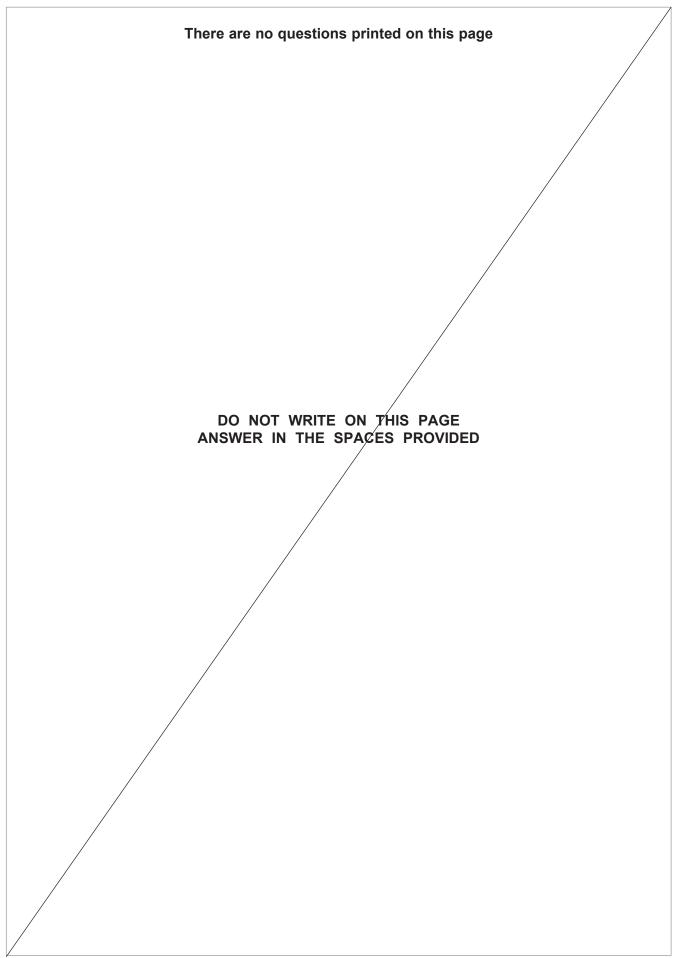
10 (g)	Evaluate three different methods of advertising the doorstop to bring it to the attention of potential customers.



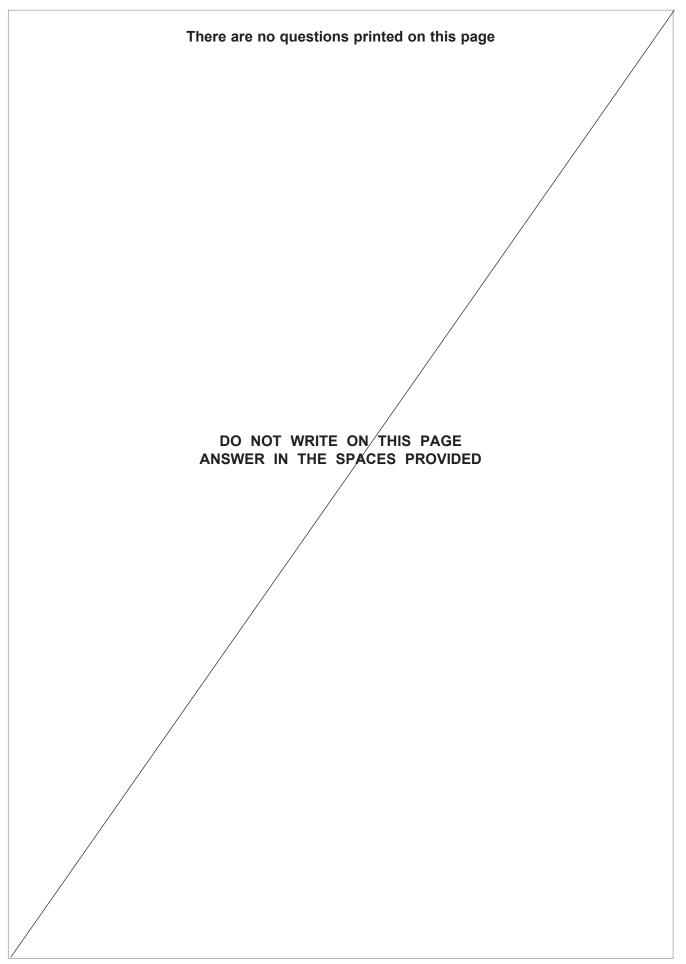
		(9 marks)
(h)	The doorstop design is copyrighted. Why is this important?	
		(2 marks)

END OF QUESTIONS











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