

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

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



General Certificate of Education  
Advanced Subsidiary Examination  
June 2012

# Design and Technology: Product Design (Textiles)

## TEXT1

Unit 1 Materials, Components and Application

Tuesday 22 May 2012 1.30 pm to 3.30 pm

**For this paper you must have:**

- normal writing and drawing instruments
- an insert sheet (enclosed).

**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 the Question in Section C.
- You must answer the questions in the spaces provided. Do not write outside the box around each page.
- 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.



J U N 1 2 T E X T 1 0 1

M/Jun12/TEXT1

# TEXT1

**There are no questions printed on this page**

**DO NOT WRITE ON THIS PAGE  
ANSWER IN THE SPACES PROVIDED**



**Section A**

Answer **all** the questions in this section.

**1** Give **three** reasons why silk fabrics are popular for special occasion dresses.

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(3 marks)

<b>3</b>

**2** Explain the importance of twist when spinning a yarn.

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(2 marks)

<b>2</b>

**3** Explain why static electricity affects some fabrics but not others.

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(3 marks)

<b>3</b>

**Turn over ▶**



4 Explain **two** different reasons why it is important for a designer to be aware of the needs of the target market when designing a new textile product.

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(4 marks)

4

5 Give **two** reasons for using piping on the edges of a cushion.

1 .....  
2 .....

(2 marks)

2

6 State **two** important product groups in which the flammability of fabrics is controlled by law.

1 .....  
2 .....

(2 marks)

2



7 Designers use moodboards and presentation boards in their work.

What are the differences between a moodboard and a presentation board?

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(4 marks)

4

**Turn over for the next question**

**Turn over ▶**



**Section B**

Answer **either** Question 8 **or** Question 9.

**8** Many textile products need to be able to keep the consumer warm.

**8 (a)** Quilted fabrics are good insulators.

Describe the construction of a quilted fabric. You may use a diagram.

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*(3 marks)*

**8 (b)** Explain how a quilted fabric is able to keep a person warm.

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*(2 marks)*



**8 (c)** Polar fleece is a good insulator.

Describe the construction of polar fleece fabric. You may use a diagram.

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(3 marks)

**Question 8 continues on the next page**

**Turn over ▶**









Do **not** answer this question if you have answered Question 8.

- 9** The photograph below shows a fashion top.



- 9 (a)** The top is made from a weft knitted fabric.

Describe the construction of a weft knit. You may draw a diagram.

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*(3 marks)*









**Section C**

Answer this question.

- 10** For this question you need to refer to **Figures 1 – 6** on the insert sheet.
- 10 (a)** In the space below, show how the templates (**Figures 1 and 2**) can be adapted to make a pattern for the fashion skirt (**Figures 3, 4, 5 and 6**).

(8 marks)





- 10 (c)** The skirt is to be made from a twill weave fabric.  
Describe a twill weave. You may use a diagram.

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*(3 marks)*











