

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Secondary Education  
June 2008

**DESIGN AND TECHNOLOGY  
(TEXTILES TECHNOLOGY)  
Written Paper  
Foundation Tier**

**3547/F**

**F**



Monday 9 June 2008 1.30 pm to 3.30 pm

**For this paper you must have:**

- a pen, a pencil, a ruler, an eraser, a pencil sharpener and coloured pencils
- an insert (enclosed) for use with Questions 5, 6 and 7.

Time allowed: 2 hours

**Instructions**

- Use black ink or black ball-point pen. Use pencil and coloured pencils only for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked.

**Information**

- The maximum mark for this paper is 125.
- The marks for questions are shown in brackets.
- You are reminded of the need for good English and clear presentation in your answers.

For Examiner's Use			
Question	Mark	Question	Mark
1		5	
2		6	
3		7	
4			
Total (Column 1) →			
Total (Column 2) →			
<b>TOTAL</b>			
Examiner's Initials			



J U N 0 8 3 5 4 7 F 0 1

TP/Jun08/3547/F

6/6/6/

**3547/F**

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**Design brief**

Hats have recently become very popular.

You have been asked to design and make

**either** an exciting fashion hat

**or** a decorative product inspired by hats.

The product must

- be inspired by hat designs from the 20<sup>th</sup> century
- use at least one decorative technique
- include one or more components
- be suitable for selling in a specialist shop
- be suitable for young adults.

You are advised to answer the questions in this paper in the order in which they are written.

**Turn over for the first question**

**Turn over ►**



Answer **all** questions in the spaces provided.

Question 1 is about research to generate design ideas.

- 1 (a) The hat shown below was very fashionable at the beginning of the 20<sup>th</sup> century. It is trimmed with a stuffed bird.



- 1 (a) (i) Give **two** reasons why this hat would not be popular today.

1 .....

2 .....

(2 marks)

- 1 (a) (ii) Give **one** feature of this hat which could be used in modern designs.

.....

(1 mark)

- 1 (b) Designers research hat fashions in many different places.

Give **one** advantage and **one** disadvantage of researching in each of the following ways.

- 1 (b) (i) going to a museum

Advantage .....

.....

Disadvantage .....

.....

(2 marks)



1 (b) (ii) watching a film on DVD

Advantage .....

.....

Disadvantage .....

.....

(2 marks)

1 (c) Give **two** reasons why a designer needs to think about each of the following.

1 (c) (i) how the product will be manufactured .....

1 .....

2 .....

(2 marks)

1 (c) (ii) the target market .....

1 .....

2 .....

(2 marks)

1 (c) (iii) the selling price of the product .....

1 .....

2 .....

(2 marks)

**Turn over for the next question**



Question 2 is about designing your product.

- 2 (a) You have been asked to show your design ideas.  
Use the information given in the design brief on page 3.

- 2 (a) (i) Use pencil to draw and label **two** different design ideas for your product.

Marks will be awarded for

- quality of two different design ideas  $(2 \times 3 \text{ marks})$
- quality of notes and sketches.  $(2 \times 2 \text{ marks})$   $(10 \text{ marks})$

**Design Idea A**

**Design Idea B**



Choose **one** of your design ideas for development.

Tick the box to show the design idea you have chosen.

Design Idea A ☐

Design Idea B ☐

**2** (a) (ii) Give **two** reasons why young adults would like your design idea.

1 .....

2 .....

(2 marks)

**Question 2 continues on the next page**

**Turn over ►**



**2 (b)** Use sketches, labels and notes to present a final design for your product.

You have this page and the next to present your design.

Marks will be awarded for

- use of fabrics and components *(4 marks)*
  - use of 20<sup>th</sup> century inspiration *(3 marks)*
  - originality and quality of the design including the decoration *(8 marks)*
  - use of colour *(3 marks)*
  - presentation of the final idea. *(3 marks)*
- (21 marks)*





Turn over for the next question

33

Turn over ►



Question 3 is about developing ideas for your product.

- 3 (a) Name **three** different ways ICT (Information Communication Technology) could be used when coming up with ideas.

1 .....

2 .....

3 .....

(3 marks)

- 3 (b) (i) Name **one** method of decoration you have chosen for your product.

.....

(1 mark)

- 3 (b) (ii) Give **two** reasons why you have chosen this method for your product.

1 .....

2 .....

(2 marks)

- 3 (b) (iii) Describe how you could test if the fabric is suitable for this method of decoration.

.....

.....

.....

(2 marks)

- 3 (c) (i) Give **four** costs of manufacturing a textile product.

Cost 1 .....

Cost 2 .....

Cost 3 .....

Cost 4 .....

(4 marks)

- 3 (c) (ii) Explain **one** way a designer can help keep manufacturing costs down.

.....

.....

(2 marks)



Question 4 is about consumer choice in relation to your product.

- 4 (a) Your product is to be sold in a specialist shop.  
Give **two** different methods by which it could be advertised.  
Give **one** advantage and **one** disadvantage of each method.

1 Method of advertising .....

Advantage .....

.....

Disadvantage .....

.....

2 Method of advertising .....

Advantage .....

.....

Disadvantage .....

.....

(6 marks)

- 4 (b) Your product will be packaged before it is sent to the shop.  
Give **three** reasons why your product needs to be packaged.

1 .....

2 .....

3 .....

(3 marks)

- 4 (c) Give **two** reasons why it would be better **not** to package your product.

1 .....

2 .....

(2 marks)

Turn over for the next question



Question 5 is about fabrics and components used in textile products for a baby.

- 5 Study **Figure 1**, the photograph on the insert sheet.  
It shows two pages of a fabric activity book for a baby.

- 5 (a) The pages of the activity book are made from a plain weave cotton fabric.  
Give **four** reasons why the manufacturer has chosen this fabric.

- 1 .....
- 2 .....
- 3 .....
- 4 .....

(4 marks)

- 5 (b) (i) The flower on the left-hand page of the activity book is made from a polyester satin fabric.

Give **two** reasons why this is a good fabric to use for the flower.

- 1 .....
- 2 .....

(2 marks)

- 5 (b) (ii) Give **one** reason why it is **not** a good fabric to use for the flower.

.....

(1 mark)

- 5 (c) The activity book is fastened with Velcro.

Give **two** reasons why this is a good fastening to use on this product.

- 1 .....
- 2 .....

(2 marks)

- 5 (d) Some of the pages make a noise when they are touched.

Explain **two** ways in which the pages can be made to make a sound/noise.

- 1 .....
- .....

(2 marks)

- 2 .....

.....

(2 marks)



Question 6 is about the industrial manufacture of the activity book shown on the insert sheet.

6 Look again at the photograph of the activity book (**Figure 1**).

6 (a) (i) Name **two** different techniques which could be used to put the lettering on the pages.

1 .....

2 .....

(2 marks)

6 (a) (ii) Explain how computer technology could help with **one** of the techniques you have named in part (a)(i).

Name of technique .....

How computer technology could help .....

.....

.....

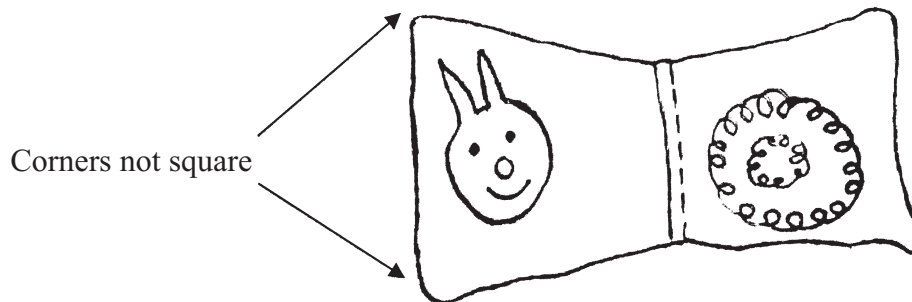
(2 marks)

6 (b) These activity books are manufactured in quantity to sell in shops.

It will be important that they are made to a high standard.

Three faults were found in a batch of the books.

#### Fault 1



6 (b) (i) Explain **how** the manufacturer can make sure that all the pages have neat square corners.

.....

.....

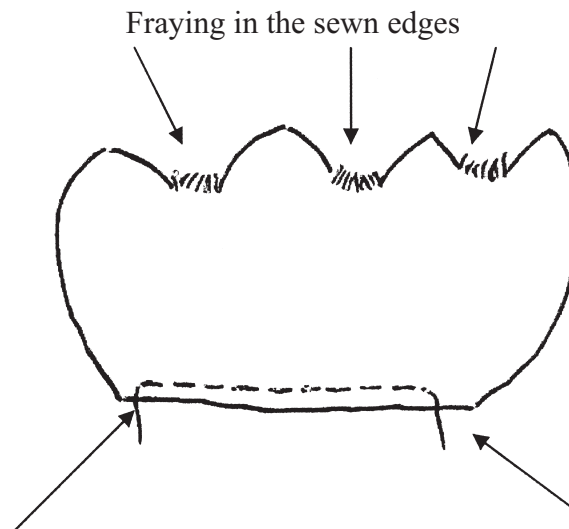
.....

(2 marks)

**Turn over for the next question**

**Turn over ►**



**Faults 2 and 3**

Stitching coming undone so flower comes off the page of the book

- 6 (b) (ii) Explain **how** the manufacturer can make sure that all the sewn edges are neat with no fraying.

.....

.....

.....

(2 marks)

- 6 (b) (iii) Explain **how** the manufacturer can make sure that the flower will stay firmly sewn to the page.

.....

.....

.....

(2 marks)

- 6 (c) Give **two** reasons why quality control is important when making textile products.

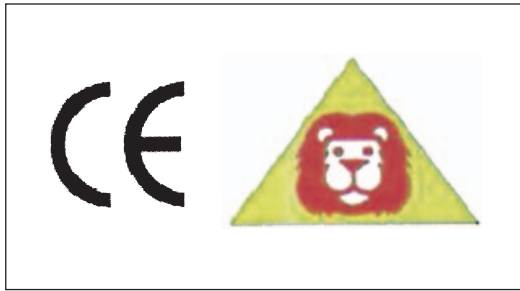
1 .....

2 .....

(2 marks)



- 6 (d) The label shown below is attached to the activity book.



Explain what each symbol means.

- 6 (d) (i)



.....

.....

(1 mark)

- 6 (d) (ii)



.....

.....

(1 mark)

- 6 (e) Safety in the factory is important.

Give **four** ways a manufacturer can make a factory a safe place to work.

1 .....

2 .....

3 .....

4 .....

(4 marks)

Turn over for the next question



Question 7 is about the design and manufacture of a bag for a child.

- 7 Look at the child's bag shown on the insert sheet (**Figure 2**).  
It was sold in a chain of supermarkets.

- 7 (a) It is made from a 100% polyester fleece fabric.  
Give **three** reasons why this fabric is suitable for the bag.

- 1 .....
- 2 .....
- 3 .....

(3 marks)

- 7 (b) The bag is lined.  
Give **two** reasons why the bag has been lined.

- 1 .....
- 2 .....

(2 marks)

- 7 (c) Name and describe **two** components which will be needed for this bag.

- 1 .....
- .....
- 2 .....
- .....

(4 marks)

- 7 (d) The information shown below was on the label attached to the bag.

<b>KEEP AWAY FROM FIRE</b>
Made in China

Give **two** reasons why the bag should be kept away from fire.

- 1 .....
- 2 .....

(2 marks)





7 (e) Many textiles products are made overseas.

7 (e) (i) Explain **three** different advantages of this.

1 .....

.....

2 .....

.....

3 .....

.....

(6 marks)

7 (e) (ii) Explain **two** different disadvantages of overseas manufacture.

1 .....

.....

2 .....

.....

(4 marks)

7 (f) The selling price of the bag was reduced from £4 to £2.  
Give **two** reasons why this reduction might have been made.

1 .....

2 .....

(2 marks)

**END OF QUESTIONS**



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**DESIGN AND TECHNOLOGY  
(TEXTILES TECHNOLOGY)  
Full and Short Courses**

This insert is provided for use in the examination.

**Figure 1**

Two pages of a fabric activity book

**Left-hand page**

**Right-hand page**



Flower which the child can lift to see what is underneath

This insert page should **not** be sent to the examiner.

**Figure 2**

Pictures of a bag in the shape of an angel deleted due to third-party copyright constraints.

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