

Candidate Forename						Candidate Surname					
Centre Number						Candidate Number					

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

1958/03

DESIGN AND TECHNOLOGY

**Textiles Technology
Paper 3 (Foundation Tier)**

TUESDAY 22 JUNE 2010: Morning

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

None

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES





- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer ALL the questions.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your Candidate Number, Centre Number and question number(s).



INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 50.
- The marks allocated and the spaces provided for your answers are a good indication of the length of answers required.
- Question 5, product analysis, is based on the theme 'SPORTSWEAR'.

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- 1 (a) Complete the table below by naming the SIX symbols that can be found on textile products.

<u>SYMBOL</u>	<u>NAME</u>
<p>1. A basin shape with a wavy line at the top of it and a diagonal cross through all of it.</p> 	<p>1.</p> <hr/>
<p>2. Square with circle and dot within the circle.</p> 	<p>2.</p> <hr/>
<p>3. A circle.</p> 	<p>3.</p> <hr/>
<p>4. A heart shape with an S.</p> 	<p>4.</p> <hr/>

<p>5. A rectangle showing a cigarette and match with the word 'resistant'.</p> 	<p>5.</p> <hr/>
<p>6. Stalk, leaves, circle of stars and an 'e'.</p> 	<p>6.</p> <hr/>

[6]

(b) Care and safety instructions are found on textile labels.

State THREE OTHER pieces of information which could be found on a textile label.

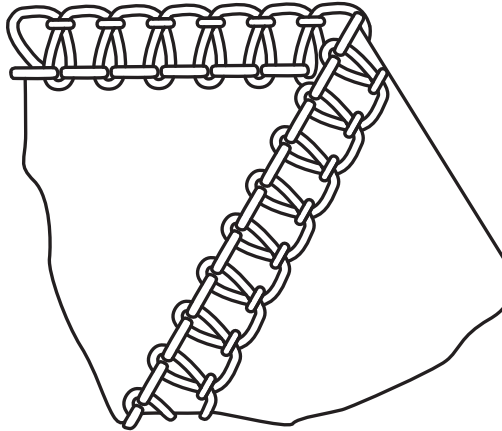
1 _____ [1]

2 _____ [1]

3 _____ [1]

- (c) Fig. 1 shows a stitch used to sew the label onto a textile product.

Fig. 1



Name the stitch shown in Fig. 1.

_____ [1]

[Total: 10]

2 Fig. 2 shows a fabric sarong decorated using batik.

Fig. 2



(a) Give TWO reasons why the fabric should be washed before it is dyed.

Reason 1 _____
_____ [1]

Reason 2 _____
_____ [1]

(b) Give ONE reason why wax is applied to the fabric.

_____ [1]

(c) Complete the table below using notes and sketches to show how to produce batik.

<u>STAGE</u>	<u>PROCESS</u>
1. Apply wax to fabric	1.
2. Dyeing the fabric	2.
3. Creating an interesting effect	3.
4. Removing the wax	4.

[4]

(d) List THREE pieces of protective clothing which should be worn when working with dyes.

1 _____ **[1]**

2 _____ **[1]**

3 _____ **[1]**

[Total: 10]

- 3 (a) An Interior design company wishes to update its range of cushion cover designs.**

In the space below describe and use annotated sketches to show a design for the cushion cover that:

- is made from recycled materials;**
- uses traditional methods of embellishment;**
- illustrates flower/ plant theme.**

(b) Give TWO examples of how recycled materials have been used in your design.

1 _____
_____ [1]

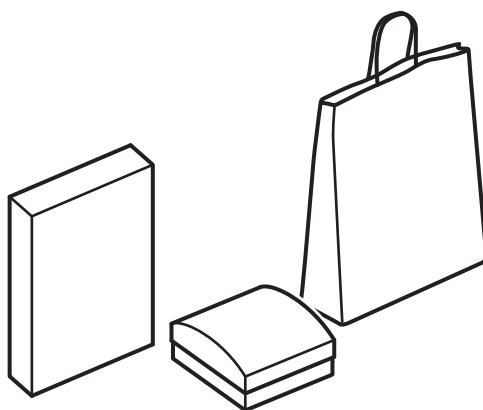
2 _____
_____ [1]

(c) Give TWO reasons why it is important to consider environmental issues when designing and making textile products.

Reason 1 _____
_____ [1]

Reason 2 _____
_____ [1]

[Total: 10]



(a) Textile products are packaged in a variety of ways. Identify TWO ways of reducing the impact of packaging on the environment.

1 _____

_____ **[1]**

2 _____

_____ **[1]**

(b) Many British textile companies choose to manufacture their products overseas. Describe TWO DISADVANTAGES of this decision.

Disadvantage 1 _____

_____ **[2]**

Disadvantage 2 _____

_____ **[2]**

- (c) The continual flow production system is a popular method of textiles manufacture.
Describe TWO advantages of the continual flow system of manufacture.

Advantage 1 _____

_____ [2]

Advantage 2 _____

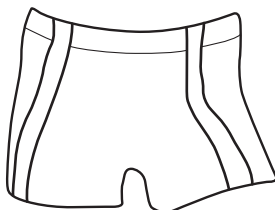
_____ [2]

[Total: 10]

5 PRODUCT ANALYSIS

- (a) Fig. 3 shows swimwear.
The swimwear contains elastane fibres.

Fig. 3



Fibre content
80% POLYAMIDE
20% ELASTANE

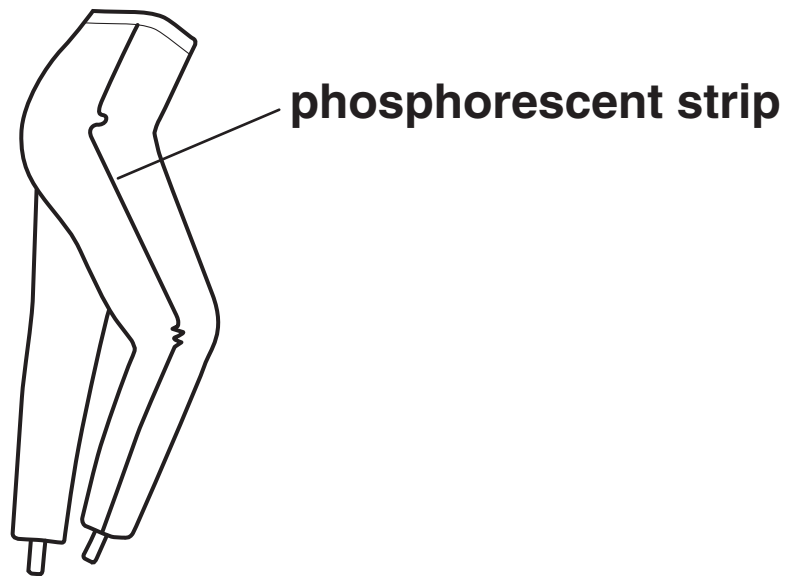
Give TWO reasons why elastane fibres have been included in the swimwear fabric.

Reason 1 _____
_____ [1]

Reason 2 _____
_____ [1]

(b) Fig. 4 shows a pair of running trousers.

Fig. 4



State TWO advantages of the phosphorescent strip down the leg.

Advantage 1 _____
_____ [1]

Advantage 2 _____
_____ [1]

(c) Fig. 5 shows a tracksuit top made from ripstop nylon.

Fig. 5



Explain why this is a suitable fabric to use for the tracksuit top.

[2]

**(d) The top is to be modified for winter sports.
Using notes and sketches show how the top could be modified.**



[4]

[Total: 10]

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