

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

D&T: TEXTILES TECHNOLOGY
PAPER 4 (HIGHER TIER)



1958/4

Wednesday **14 JUNE 2006** Afternoon 1 hour 15 minutes

Candidates answer on the question paper.
 No additional materials are required.

Candidate
Name

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Centre
Number

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Candidate
Number

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TIME 1 hour 15 minutes

INSTRUCTIONS TO CANDIDATES

- Write your name in the space above.
- Write your Centre number and Candidate number in the boxes above.
- Answer **all** questions.
- Write your answers in the spaces provided on the question paper.
- Do not write in the bar code. Do not write in the grey area between the pages.
- **DO NOT WRITE IN THE AREA OUTSIDE THE BOX BORDERING EACH PAGE. ANY WRITING IN THIS AREA WILL NOT BE MARKED.**

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The marks allocated and the spaces provided for your answers are a good indication of the length of answers required.
- The total number of marks for this paper is **50**.
- Question 2, product analysis, is based on the theme 'Prom Fever'.

| FOR EXAMINER'S USE | |
|--------------------|--|
| Q1 | |
| Q2 | |
| Q3 | |
| Q4 | |
| Q5 | |
| TOTAL | |

This question paper consists of 11 printed pages, 1 blank page and an insert.

1 Computers are used in a variety of ways in the Fashion and Textiles Industry.

A photo has been removed due to third party copyright restrictions

Details: a photo of a computer

(a) Describe three ways computers can be used when designing fashion and textile products. (CAD)

1 _____
_____ [1]

2 _____
_____ [1]

3 _____
_____ [1]

(b) Describe three ways computers can be used when manufacturing fashion and textile products. (CAM)

1 _____
_____ [1]

2 _____
_____ [1]

3 _____
_____ [1]

(c) Fig. 1 shows a fitted fleece top.



Fig. 1

The fitted fleece top in Fig. 1 is produced using a continual flow process. Explain what is meant by a continual flow process.

[2]

(d) Microfibres have been used to improve the performance characteristics of the fleece top. Identify a performance characteristic and describe how this would benefit the consumer.

[2]

[Total: 10]

2 Product Analysis

The colour insert sheet shows a mood board reflecting the theme of 'Prom Fever'.

- (a) Using the mood board.
Identify two pre-manufactured components.

1 _____ [1]

2 _____ [1]

- (b) Fig. 2 shows a formal shirt.

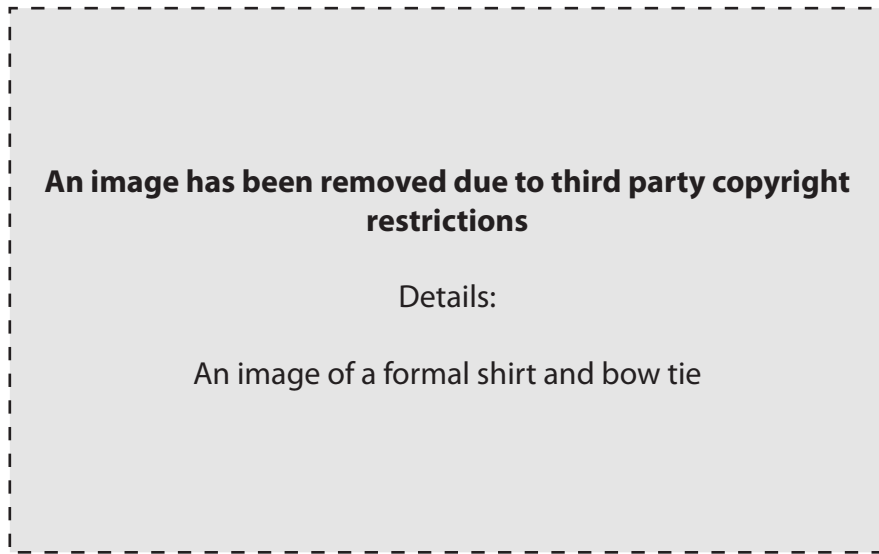


Fig. 2

- (i) Name one decorative technique used on the shirt.

_____ [1]

- (ii) The shirt is to be made using a double stitched seam.
Explain why this is a suitable seam to use.

_____ [3]

(c) Fig. 3 shows a design for a bodice.

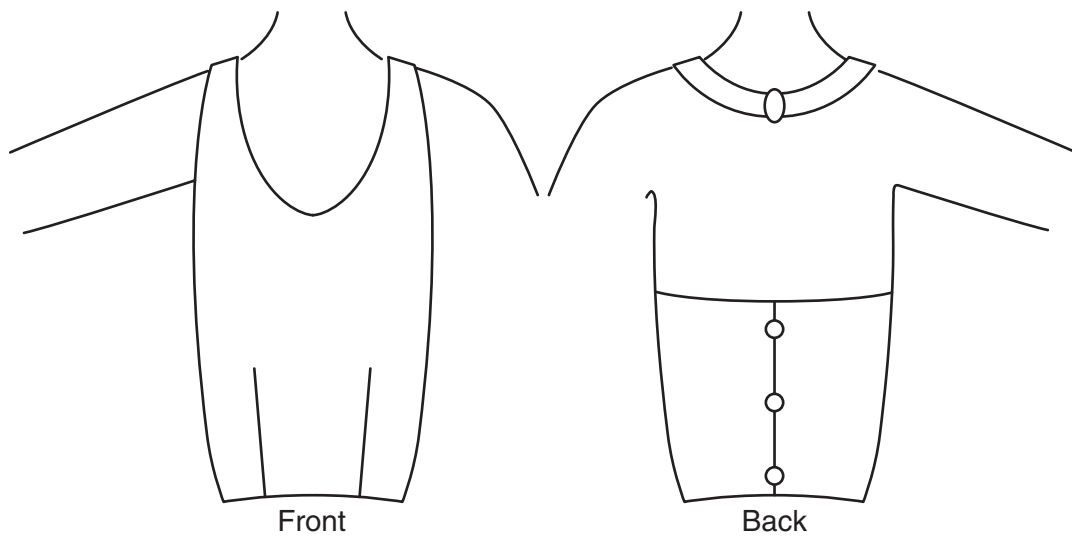
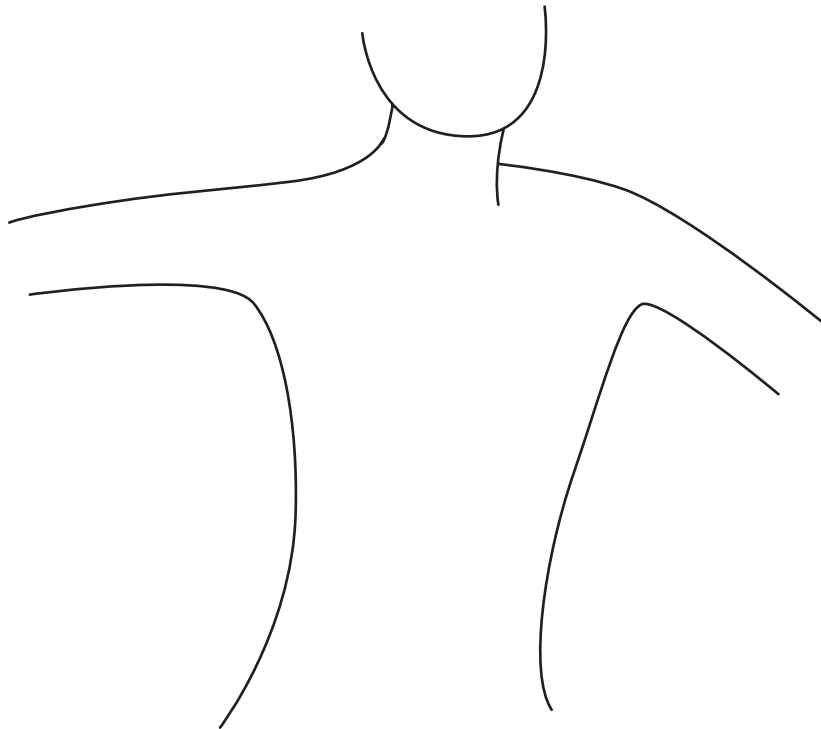


Fig. 3

- (i) Name **one** regenerated fibre that would be suitable to make the fabric used for the bodice.

_____ [1]

- (ii) Using notes and sketches show how the bodice design can be developed.
Do not include details of surface decoration.



[3]

[Total: 10]

[Turn over

3 An Environmental Arts Centre is looking for textile products to sell in its shop.

(a) In the space below use annotated sketches to show a design for a textile product that is:

- made from re-cycled materials;
- uses traditional techniques of embellishment;
- illustrates an animal or plant theme.

(b) Explain why it is important to consider environmental issues when designing and making textile products.

[4]

[Total: 10]

4 Fig. 4 shows a selection of quilted household textile products.



Fig. 4

(a) Give one benefit of using quilting for household textile products.

[1]

(b) Describe using notes and diagrams, how to quilt fabric.

- (c) Smart materials are continually being developed.
Explain how **Microencapsulation** could be used to enhance textile products.

[4]

[Total: 10]

5 Fig. 5 shows a commercial pattern piece.

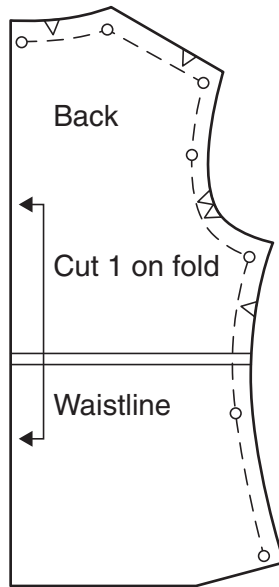


Fig. 5

(a) Give **two** alternative methods of making a pattern.

1 _____ [1]

2 _____ [1]

(b) Explain how a pattern is used to control the manufacture of a textile product.

_____ [4]

(c) When producing a textiles product a manufacturing specification is required.
Describe **four** pieces of information that are required in a manufacturing specification.

1 _____
_____ [1]

2 _____
_____ [1]

3 _____
_____ [1]

4 _____
_____ [1]

[Total: 10]

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