



GENERAL CERTIFICATE OF SECONDARY EDUCATION
DESIGN AND TECHNOLOGY
Textiles Technology

A574

Technical aspects of designing and making

Candidates answer on the Question Paper

OCR Supplied Materials:
None

Other Materials Required:
None

Tuesday 22 June 2010
Morning

Duration: 1 hour 15 minutes



Candidate Forename		Candidate Surname	
--------------------	--	-------------------	--

Centre Number						Candidate Number				
---------------	--	--	--	--	--	------------------	--	--	--	--

INSTRUCTIONS TO CANDIDATES

- Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
- 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 in Section A and Section B.
- Do **not** write in the bar codes.
- 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 **60**.
- Your quality of written communication is assessed in the question marked with an asterisk (*).
- This document consists of **12** pages. Any blank pages are indicated.

Section A

Answer **all** questions.

1 Fig. 1 shows a tie-dyed cotton T shirt.



Fig. 1

(a) Give **three** health and safety rules that should be followed when working with dyes.

- 1 [1]
- 2 [1]
- 3 [1]

(b) Fig. 2 shows a close up of the seam used to make the 'T' shirt.

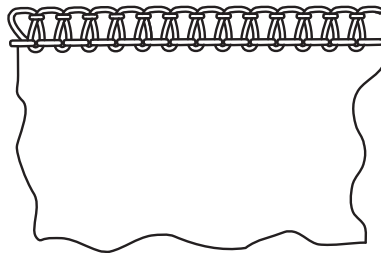


Fig. 2

(i) Name the seam shown in Fig. 2.

..... [1]

(ii) Give **two** reasons why this is a suitable seam to use for the 'T' shirt.

1 [1]
.....

2 [1]
.....

(c) Complete the table below to show how to tie dye fabric.

Stage	Method	
Preparation of fabric		[2]
Tying fabric		[2]
Dyeing fabric		[2]

[Total: 12]

2 Fig. 3 shows a hat made from knitted woollen fabric.

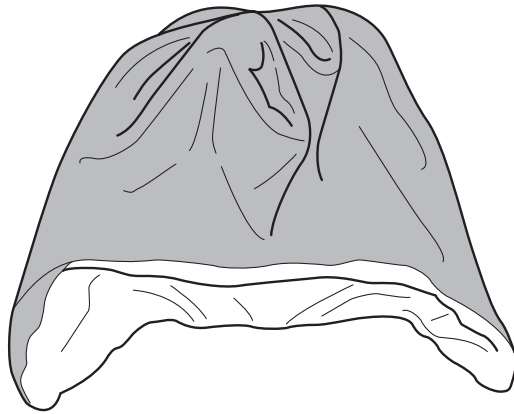


Fig. 3

(a) Give **three** reasons why a knitted woollen fabric is suitable for the hat.

- 1 [1]
- 2 [1]
- 3 [1]

(b) (i) Name **one** finish that could be applied to the hat fabric to improve its performance.

Finish [1]

(ii) Explain why your choice of finish is appropriate for the hat fabric.

-
-
-
- [2]

5

(c) The hat shown in Fig. 3 is shaped at the top by gathers.

Describe, using notes and diagrams, how to gather the top of the hat.

[6]

[Total: 12]

3 Fig. 4 shows a waterproof jacket.

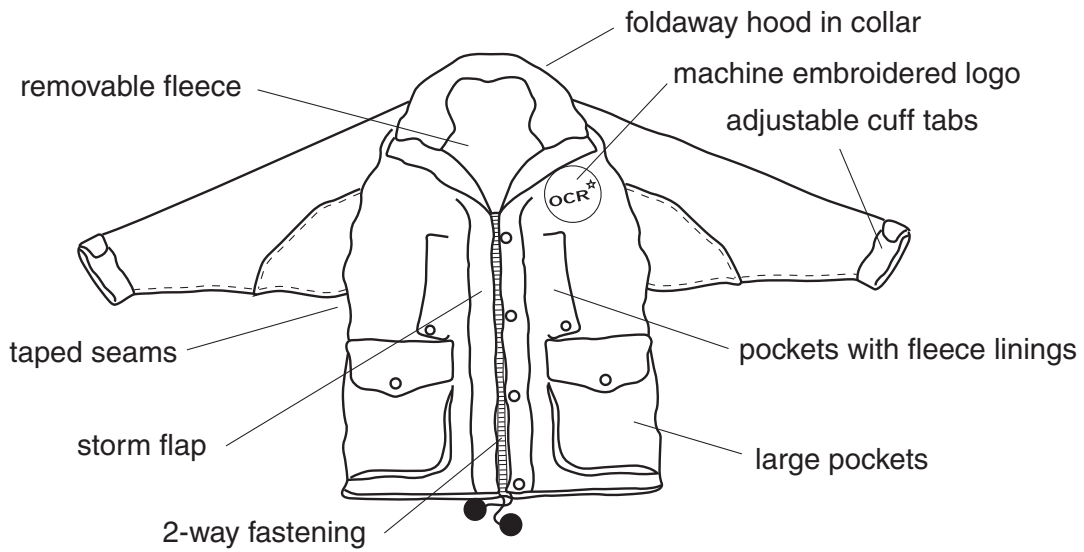


Fig. 4

(a) Name **two** pre-manufactured components used to make the jacket.

1 [1]

2 [1]

(b) State **two** design features of the jacket and explain why each is of benefit to the wearer.

Feature 1

Explanation

.....

.....

..... [2]

Feature 2

Explanation

.....

.....

..... [2]

Section B

Answer **all** questions.

4 A textile manufacturer is extending its range of bags to include a picnic bag.

The bag should:

- hold the food, drink and other items needed for a picnic
- be ergonomically designed
- appeal to the family market

(a) In the space below, produce **two** sketches with notes to show your initial ideas.

[4]

(b) In the space below, show your final developed design idea.

Annotate your final idea to show all important design and construction details.

[8]

[Total: 12]

5 (a) (i) Name **two** suitable materials for making a prototype.

1 [1]

2 [1]

(ii) Explain **two** advantages of making a prototype.

Advantage 1

.....

.....

..... [2]

Advantage 2

.....

.....

..... [2]

(b*) Many companies choose to manufacture their products overseas.

Explain the factors a company should consider when deciding where to manufacture its products.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

PLEASE DO NOT WRITE ON THIS PAGE



Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations, is given to all schools that receive assessment material and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.