

Candidate Name	Centre Number	Candidate Number
		0



GCSE

143/02

DESIGN AND TECHNOLOGY

PAPER 2

FOCUS AREA: TEXTILES TECHNOLOGY

Foundation Tier

A.M. MONDAY, 2 June 2008

1½ hours

	Leave Blank
Question 1	
Question 2	
Question 3	
Question 4	
Question 5	
TOTAL MARK	

ADDITIONAL MATERIALS

In addition to this examination paper you will need coloured pencils.

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

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

1. (a) From the list below, **choose** the most suitable material for **each** of the textile products shown. Use **each** material once. [3]

An example has been done for you.

Cotton

Canvas

Wool

Polyester

Ripstop Nylon

- (i) Clothes for a baby



Cotton

- (ii) A tent



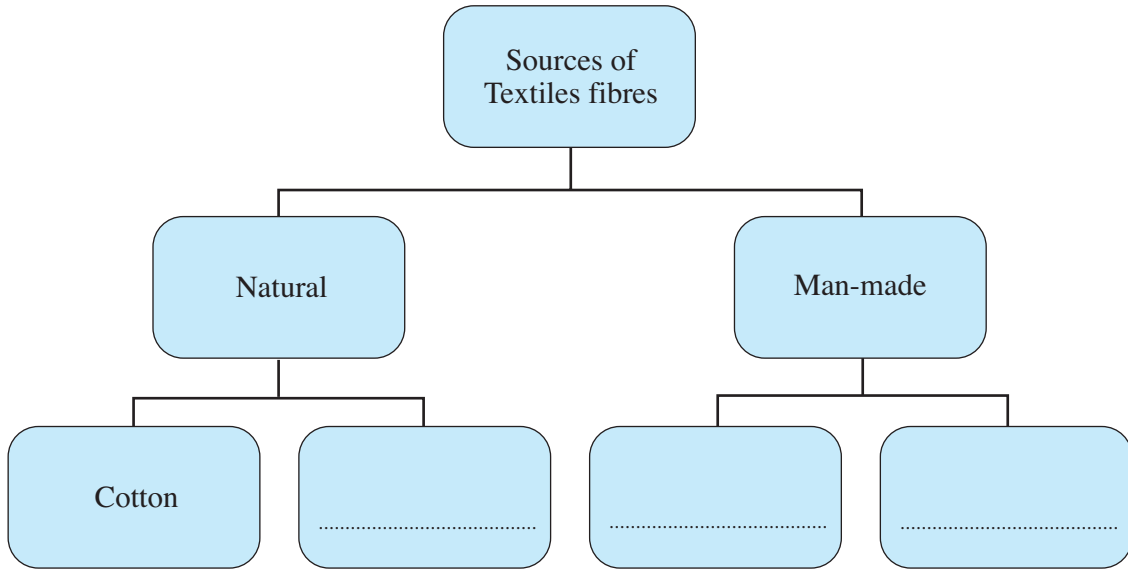
- (iii) A bag



- (iv) A floor cushion



- (b) Textiles fibres are either natural or man made. **Complete** the diagram below by adding **one** natural fibre and **two** man-made fibres. [3]



- (c) The baby's clothes shown below are made from cotton.



- (i) **Give two** reasons why cotton material has been chosen to make the clothes. 2 × [2]

Reason 1:

.....

Reason 2:

.....

- (ii) **State one** disadvantage of cotton materials. [1]

.....

- (d) The picture below shows some close up details on the front of the vest top.



- (i) A knitted material has been used to make the vest top. **State two** advantages to the user of clothes made from knitted material. 2 × [1]

Advantage 1:

Advantage 2:

- (ii) **Name two** decorative techniques used to make the fish image. 2 × [1]

Technique 1:

Technique 2:

- (e) **Complete** the table started below to **describe** the main stages you would follow if you were going to make the fish shape and attach it to the vest top. 3 × [2]

One stage has been completed for you.

STAGE	DETAILED INSTRUCTIONS
Stage 1	Carefully iron a piece of self adhesive interfacing onto the back of the fabric to be used for the fish.
Stage 2
Stage 3
Stage 4

THERE ARE NO QUESTIONS ON THIS PAGE

2. Colourful designs can be applied to textile materials by printing and dyeing. Some examples are shown below.



(a) (i) Name one method of *printing* textile materials used in industry. [1]

.....

(ii) Name a different method of *printing* textile materials that you could use. [1]

.....

(b) Choose the correct term from the word bank below for **each** example of the patterns shown. 2 × [1]

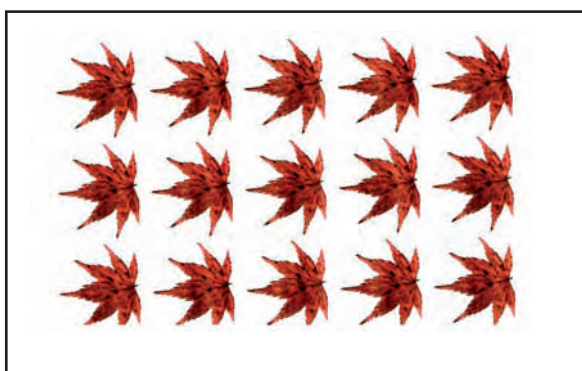
Half drop

Single motif

Full drop

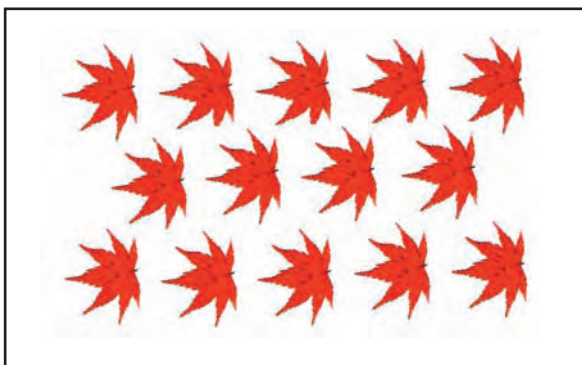
Abstract

(i)



..... pattern

(ii)



..... pattern

(c) Designers often create an image board to help them generate ideas. The image board shown below is based on *Autumn*.



Describe three ways this image board could help a designer to generate ideas for a new range of cushions. 3 × [2]

I.

.....

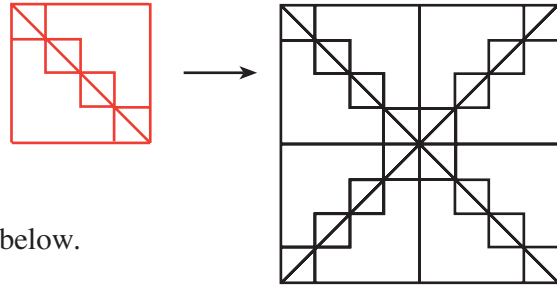
II.

.....

III.

.....

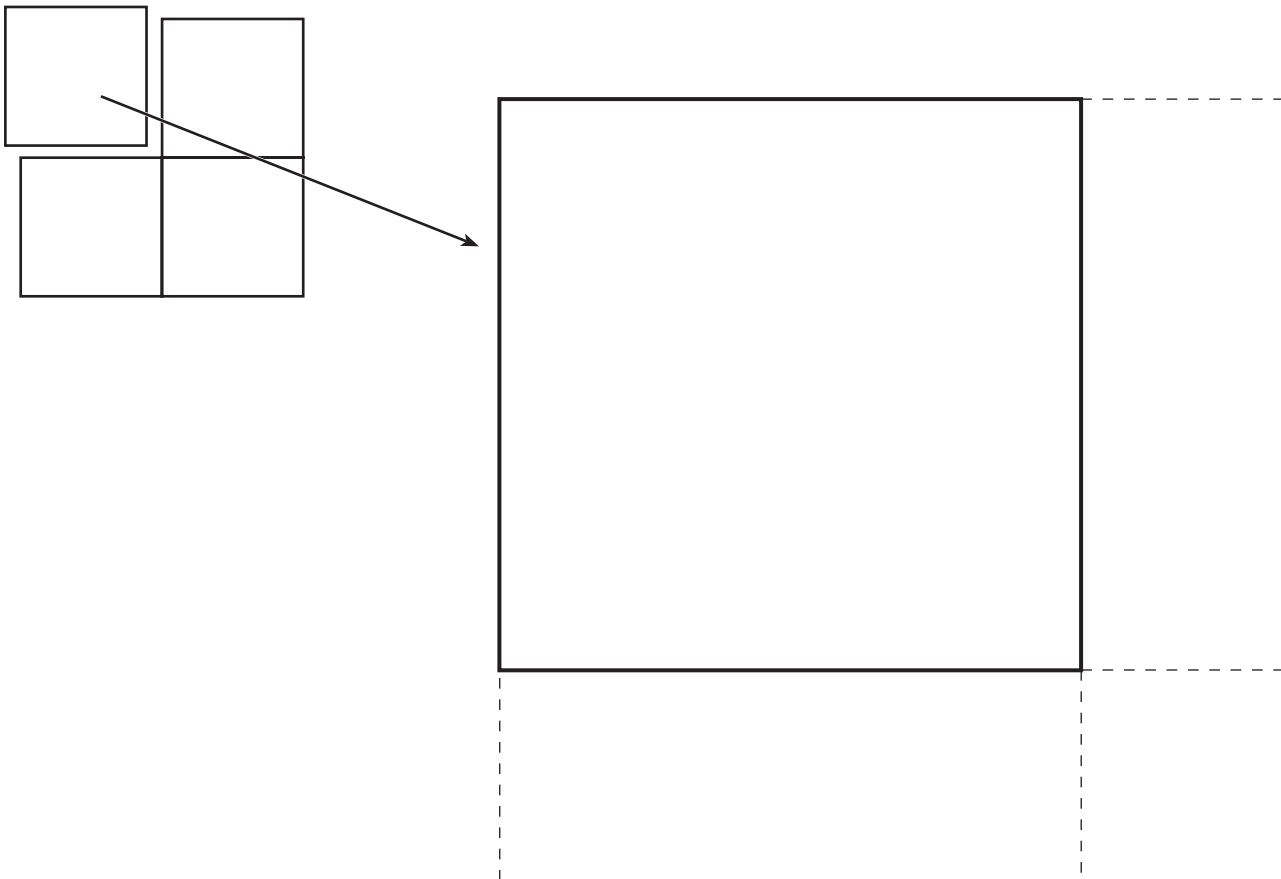
- (d) (i) Use the image board of *Autumn* shown opposite to create an imaginative pattern that can be repeated four times for the front of a cushion. *An example is shown.*



You must **draw** your idea in the space below.

Marks will be awarded for:

- using the image board to create an imaginative pattern which can be repeated four times on the front of a cushion; [4]
- showing creative and skilful use of colour. [4]



- (ii) **Label** your design to suggest the use of **two** different textured materials. $2 \times [1]$

3. (a) A textile product made by *batch production* is shown below.



Explain what you understand by the term *batch production*.

[2]

.....

.....

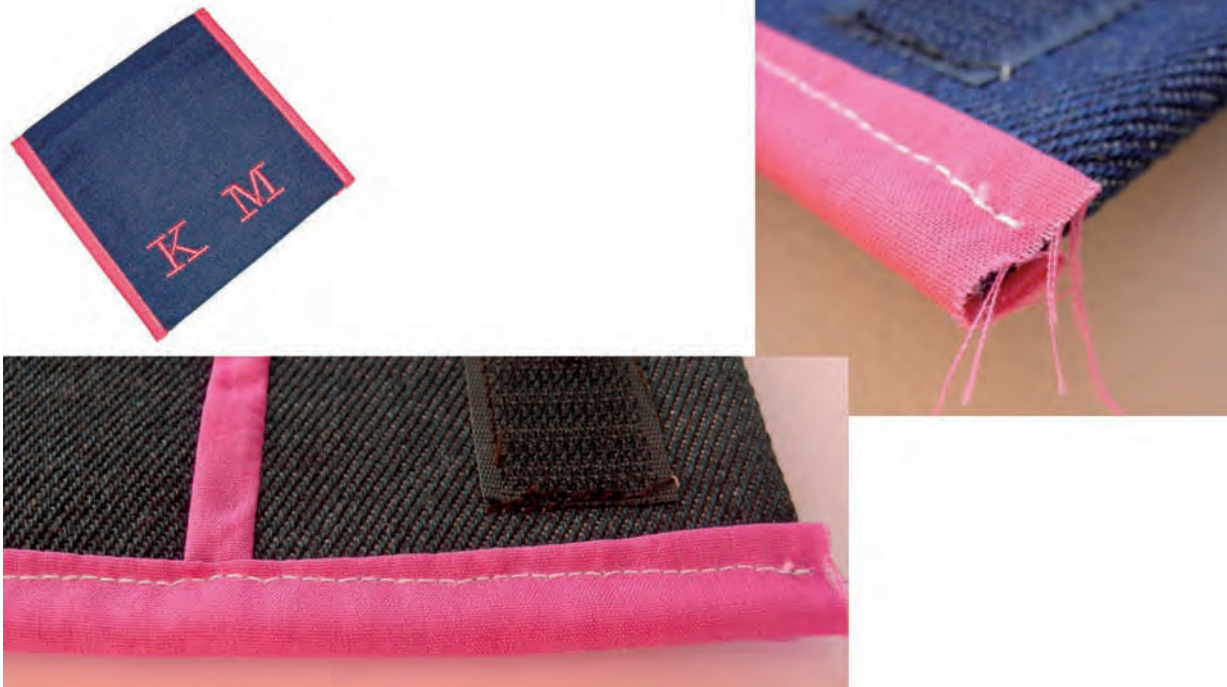
- (b) Manufacturers make sure their products are made to high quality standards. **Study** the picture below and **identify two** examples of where quality control has been achieved. 2 × [1]



Example I.

Example II.

(c) The pictures below show a prototype of a wallet to be used for storing CDs. The pictures show some manufacturing faults.



(i) State **two** manufacturing faults. 2 × [1]

Fault 1:

Fault 2:

(ii) Use notes and sketches to **describe** how **one** of the faults could be avoided. [4]

- (iii) **Give two** reasons why a binding is used on the edge of the wallet. 2 × [2]

Reason 1:

Reason 2:

- (d) Fashion designers develop new ranges of clothes for different seasons during the year.

- (i) **State three** different sources of inspiration that designers might use. 3 × [1]

One example has been done for you.

I. A collection of natural objects like flowers, leaves and berries.

II.

III.

IV.

- (ii) **Name one** fashion capital in the world. [1]

.....

- (iii) **Place a tick (✓)** in the box alongside the correct meaning of *prêt-à-porter*. [1]

Exclusive couture fashion

Ready-to-wear collections

Mass produced clothes for street markets

BLANK PAGE

4. The pictures below show different views of a boot bag made from cordura material.



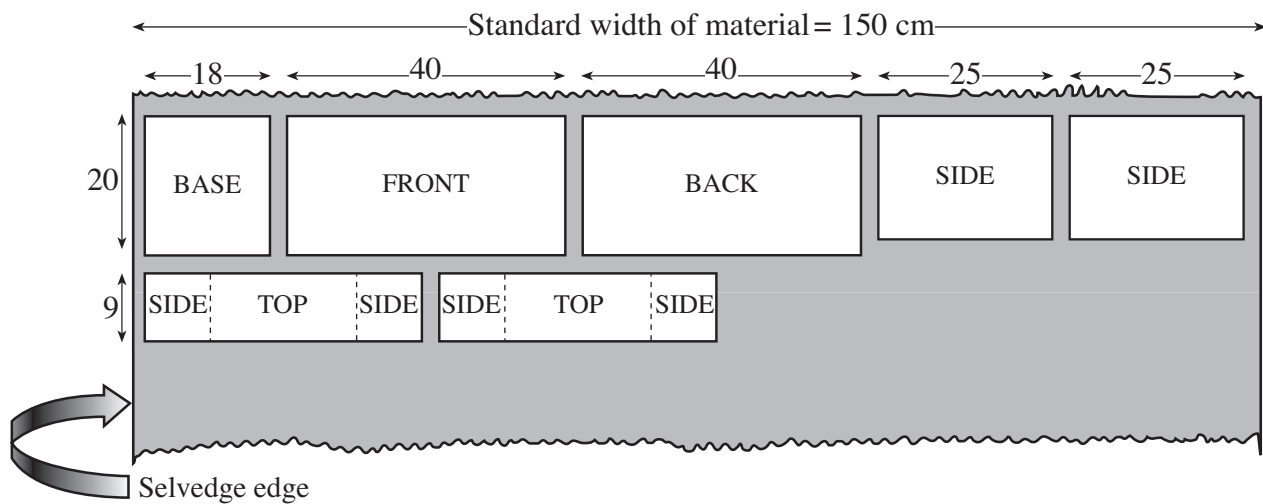
(a) Give two properties of cordura which make it a suitable choice for a boot bag. 2 × [1]
 One has been given for you.

Property 1: It is durable.

Property 2:

Property 3:

(b) Details of the templates needed to make a similar boot bag are shown on a length of material which is 150 cm wide.



NOT TO SCALE

Note: all measurements are in cm

(i) **State** the minimum length of material needed to make one boot bag. [1]

.....

(ii) The material costs £10 per metre length. **State** the cost of the length you stated in part (i). [2]

.....

(c) Cordura material lasts for a very long time because it is durable. Use diagrams and notes to **describe** an experiment you could do to compare the *durability* of two different materials. [5]

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(d) **Complete** the table below to show why you would use **each** of the items listed. 3 × [1]

Item	Use
Tailor’s chalk
A dart
Top stitching

(e) **Describe one** example of where a *smart* material could be used in a textile product. [2]

.....
.....

5. Teenagers like to follow fashion trends. You have been asked to design a casual winter outfit for a male **or** female which has a strong focus on style details and pockets with interesting fastenings.

(a) **Sketch** the front and back views of your design on the opposite page using the silhouettes provided.

Marks will be awarded for:

- (i) a design that is imaginative and suitable for teenage winter casual wear; [4]
- (ii) showing clear close up construction details of **three different** styles of pockets with interesting fastenings; [6]
- (iii) showing **four** accurate style details; [4]
- (iv) a co-ordinated colour scheme; [3]
- (v) quality of graphical communication. [4]

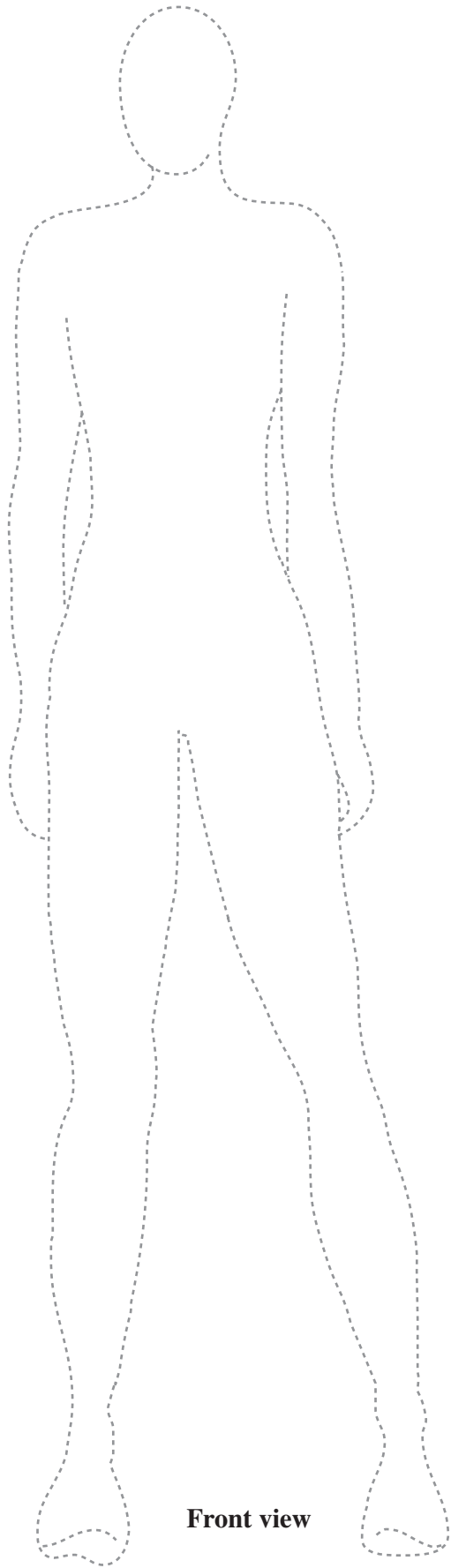
(b) (i) **Name one** specific material that could be used for one of the items of clothing. [2]

Name of material:

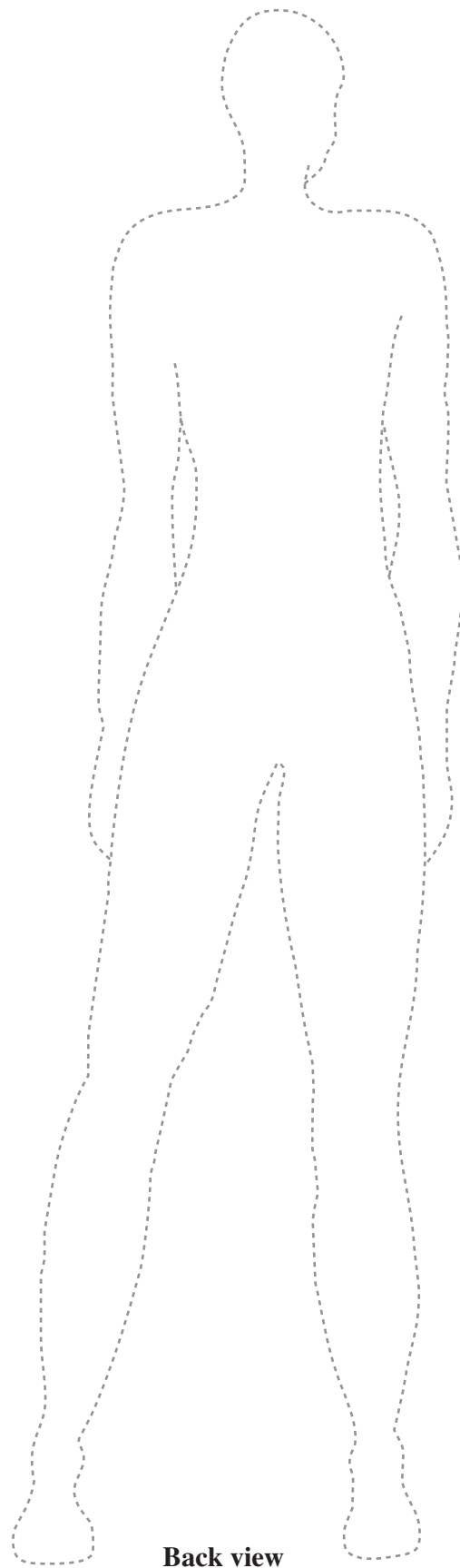
(ii) Explain why you would recommend using it. [2]

.....
.....

Use this space to show the construction details of the pockets with interesting fastenings



Front view



Back view

