

Candidate Name	Centre Number	Candidate Number
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GCSE

274/01

DESIGN AND TECHNOLOGY

(SHORT COURSE)

FOCUS AREA: TEXTILES TECHNOLOGY

Foundation Tier

A.M. MONDAY, 2 June 2008

1 hour

	Leave Blank
Question 1	
Question 2	
Question 3	
Question 4	
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) **Complete** the table below by placing these design process stages in the correct order. [4]
One has been completed for you.

~~Final evaluation~~ **Development** **Analysis** **Design brief** **Initial ideas**

Design process stages
Final evaluation

- (b) **Underline** the correct words to complete the sentences below.
- (i) Designers analyse **existing products** / **initial ideas** / **final ideas** to find out how they are made. [1]
 - (ii) Designers improve ideas in the **analysis** / **development** / **design brief** stage of the design process. [1]
 - (iii) Designers analyse the **development** / **final product** / **design brief** before starting their design ideas. [1]
- (c) Designers often make several prototypes or models before making the final product. **Give two** reasons why this is done. 2 × [2]

Reason 1:

.....

Reason 2:

.....

- (d) Complete the following paragraph by writing the correct word from the list below. [4]
Use each word only once.

retailer

designer

manufacturer

consumer

In a company that designs and makes products the designs
a new product. It is then made by the Before selling the
new product it may be tested to make sure it is safe for the
to market, before it is sold to the

2. (a) Product packaging is usually labelled with information. An example of packaging is shown below.



(i) Name the symbol labelled A. [1]

.....

(ii) Give one reason why this symbol is used on packaging. [2]

.....

.....

(iii) State what symbol B means. [2]

.....

.....

(b) Give three reasons why products are packaged. 3 × [1]

Reason 1:

Reason 2:

Reason 3:

(c) (i) Give one advantage of recycling packaging. [2]

.....

.....

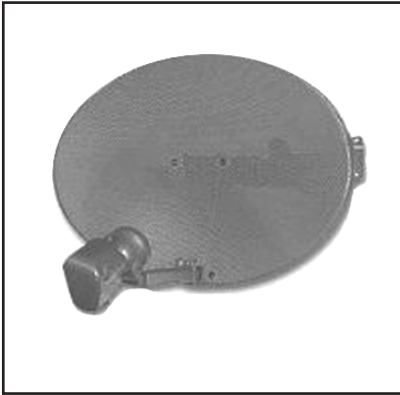
(ii) Give one reason why consumers might find it difficult to recycle product packaging. [2]

.....

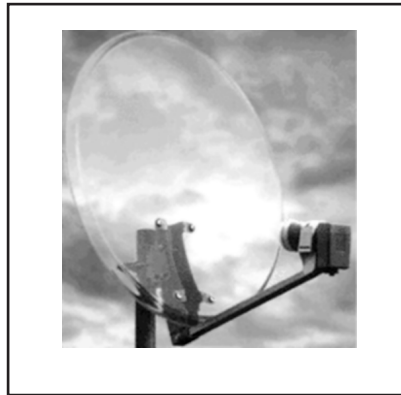
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3. (a) Satellite dishes are now available in a variety of colours as well as transparent.



Standard black



Transparent



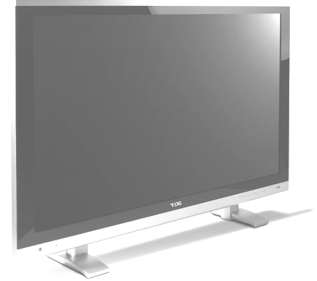
Coloured

Describe one positive effect that using *transparent* satellite dishes has on the environment. [2]

.....

.....

(b) The design of television sets has changed over time. Study the three television sets below.



- Television A**
- Single speaker.
 - Black plastic case.
 - Standard screen TV.

- Television B**
- Stereo speakers.
 - Silver plastic.
 - Widescreen TV.

- Television C**
- Surround sound.
 - Silver metal case.
 - LCD TV screen.

State two changes that have been made to the televisions, and then explain how each change has benefited or helped the consumer. One example has been completed for you:

Television: C

State what has changed: Television C is lighter to carry than television B.

Explain how this change has benefited or helped the consumer: It is easier to move about.

(I) Television:

State what has changed: [1]

Explain how this change has benefited or helped the consumer:

..... [2]

(II) Television:

State what has changed: [1]

Explain how this change has benefited or helped the consumer:

..... [2]

4. 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]

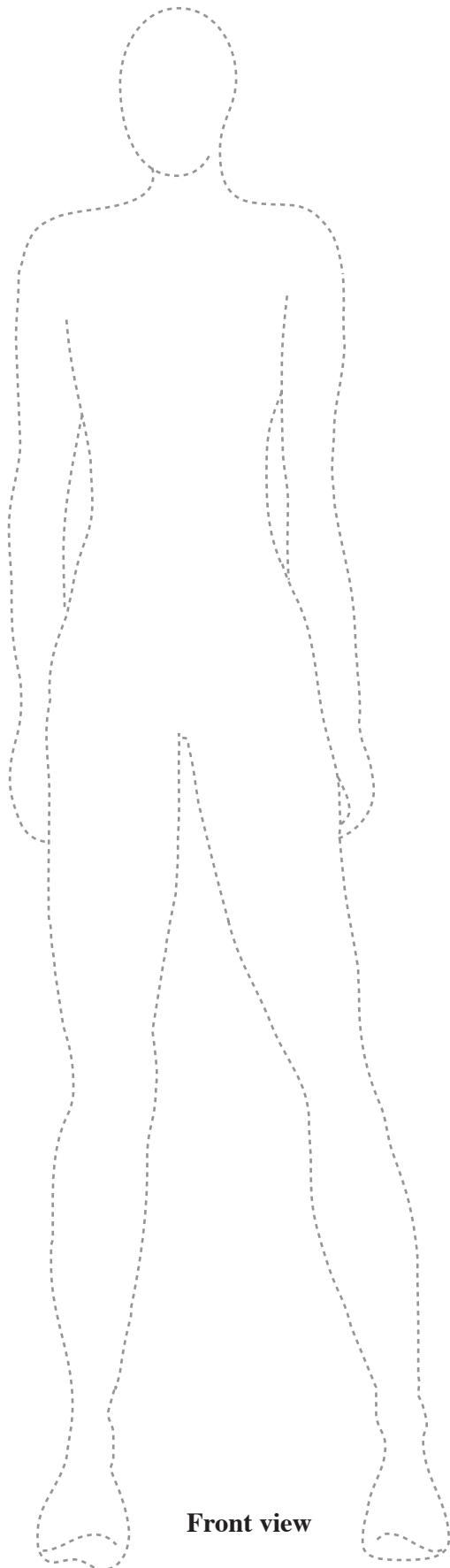
(b) (i) **Name one** specific material that could be used for one of the items of clothing. [2]

Name of material:

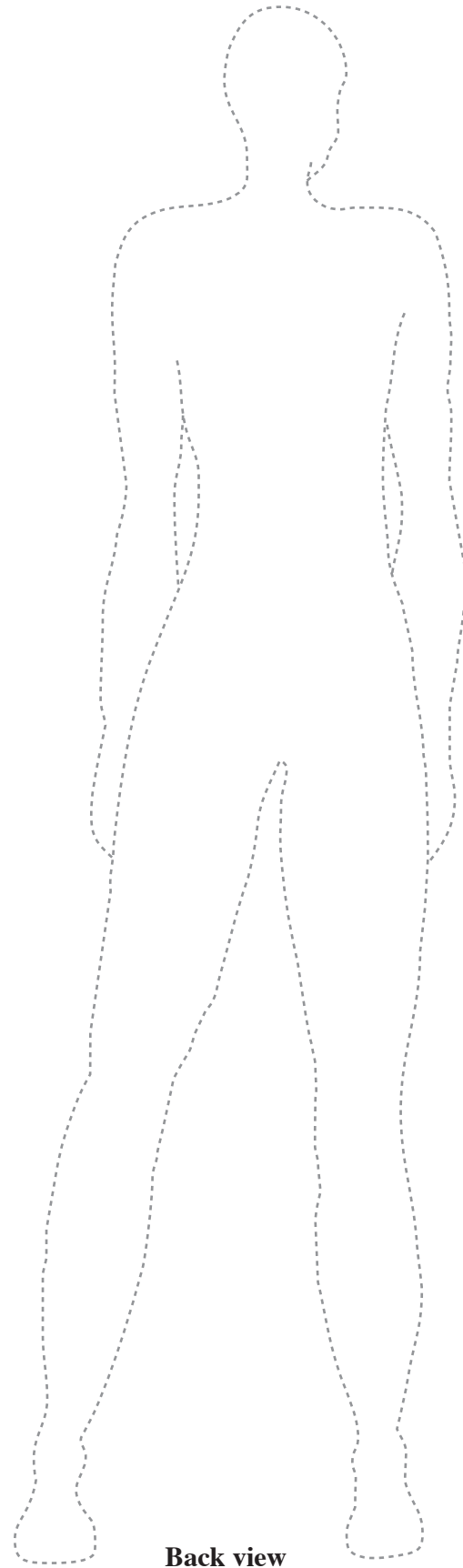
(ii) Explain why you would recommend using it. [2]

.....
.....

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



Front view



Back view

