



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

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

D & T (GRAPHIC PRODUCTS)

D & T (GRAPHIC PRODUCTS) (SHORT COURSE)

PAPER 2 (HIGHER TIER)

Specimen Paper

2003

1 hour 30 minutes

1955/2
1055/2

Additional materials:

Drawing aids may be used.

TIME 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Write your name, Centre number and candidate number in the spaces provided above and on the other sheets.

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

All diagrams should be drawn accurately unless otherwise stated. Drawing aids may be used. Colour or shading should only be used if asked for in the question. Use your discretion where dimensions are not given.

INFORMATION FOR CANDIDATES

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

Dimensions are in mm unless stated otherwise.

Marks will be awarded for the use of correct conventions.

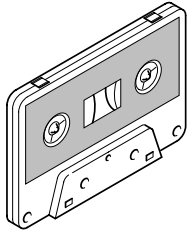
FOR EXAMINER'S USE	
Question 1	
Question 2	
Question 3	
Question 4	
Question 5	
TOTAL	

This question paper consists of 3 printed sheets.

2 The evaluation table below shows three possible methods for packaging an audio cassette tape.

Complete the table by: (a) comparing the three designs and stating their advantages and disadvantages against the given criteria headings of product protection, durability and environmental aspects; [7]

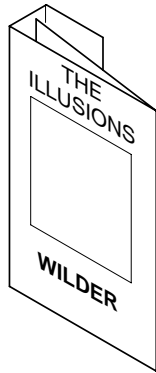
(b) giving a reasoned choice on which would be the most appropriate design when evaluated against the given criteria. [3]



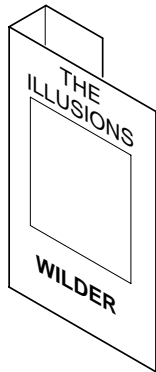
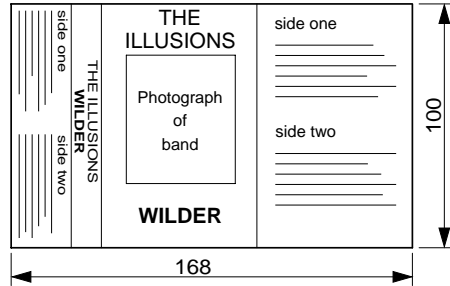
	Product Protection	Durability	Environmental Aspects	Most Appropriate Design
<p>Design A</p>  <p>Card sleeve open at both ends.</p>				<p>Chosen design</p> <hr/> <p>Reasons for choice</p>
<p>Design B</p>  <p>Box made from recycled card with one opening flap.</p>				
<p>Design C</p>  <p>Paper insert printed on one side fits into plastic case.</p>				

Evaluation Table

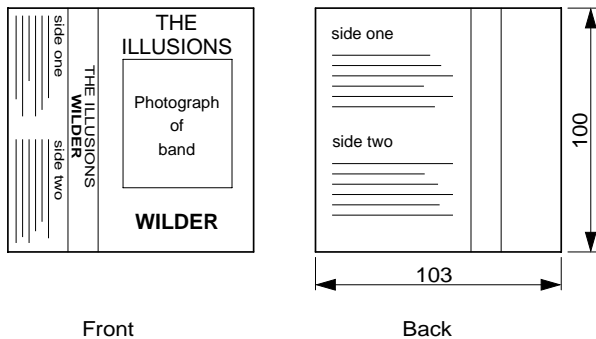
- 3 A school based band 'The Illusions' have written and recorded ten songs which they intend to release on a cassette tape entitled 'WILDER'. Fifty copies of the cassette are to be produced. The paper inserts to go into the plastic cassette boxes are to be designed on a computer and printed on a photocopier. Two possible designs are shown.



Design A (Only printed on one side)



Design B (Only printed on one side)



Front

Back

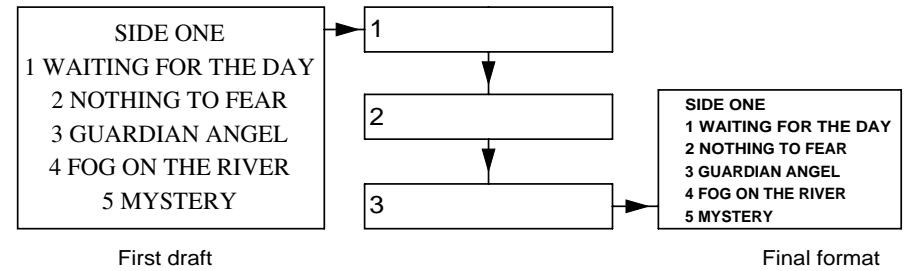
- (a) Explain with reasons, why it would be difficult to produce accurate photocopies of Design B.

_____ [2]

- (b) Name a piece of equipment that could be used to input a photograph of the band into a computer system.

Equipment _____ [1]

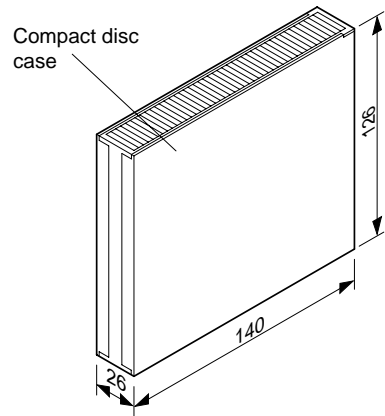
- (c) Assuming that the text has already been highlighted and edit mode chosen, complete the block diagram to show **three** selections that would need to be made, from a computer menu, in order to make the changes between the first draft and final format. [3]



- (d) A piece of A4 paper is 296 mm x 210 mm. It costs 5 pence to make an A4 single sided photocopy and 8 pence to make a double sided photocopy. These costs include the cost of the paper.

Use drawings and notes to calculate and show the cost of producing:

- (i) 12 copies of Design A; [2]
- (ii) 12 copies of Design B. [2]



- 4 The drawing shows a plastic case to hold two CDs.
The plastic case is to be packaged in a card box with a lift off lid.

Specification for the packaging:

- it must have a separate lift off lid;
- the box must be made from a single piece of card;
- the lid must be made from a single piece of card;
- it must be very easy to remove the plastic case from the packaging.

- (a) Use sketches and notes to develop a design for the box and lid.
These should show that each of the requirements of the specification has been carefully considered and fulfilled. [3]

- (b) Draw, to a scale of 1:2, the developments (nets) required to make the card box and lid. [7]

All fold lines and glue tabs must be clearly shown and labelled.

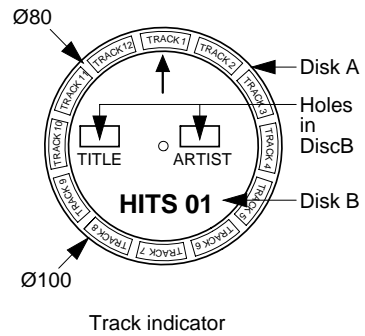
Answer part (a) here.

- 5 The drawing shows a Track Indicator which is to be included in the box for the CD case shown in Question 4.

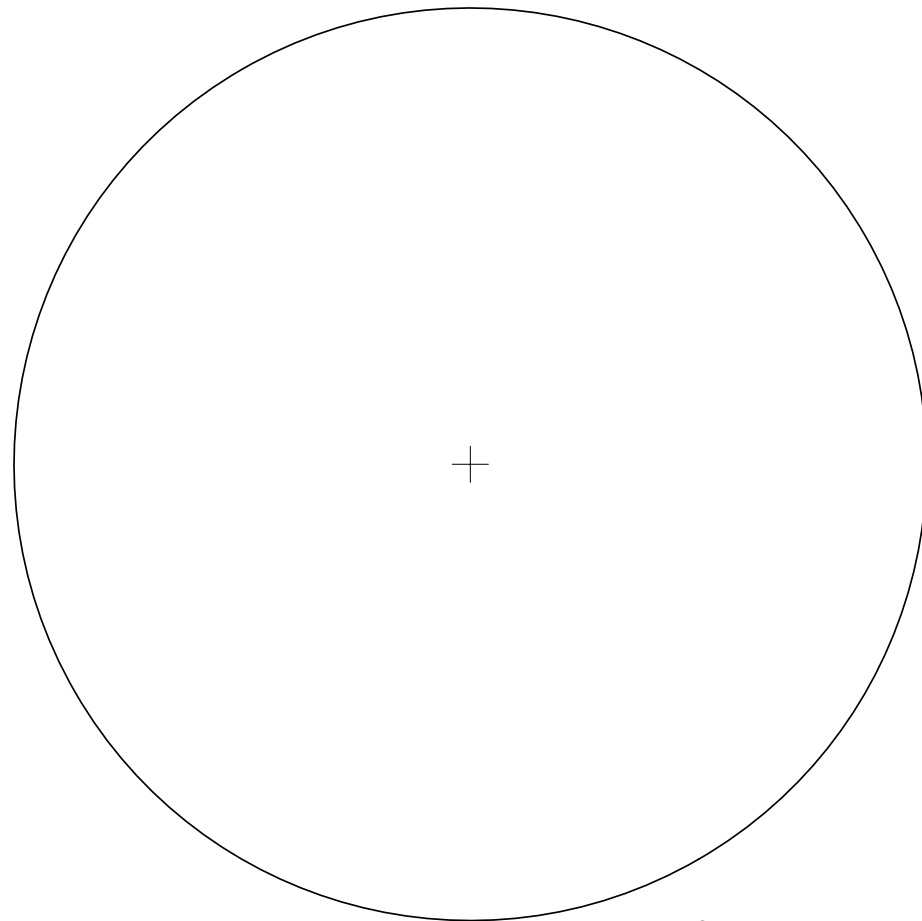
The Track Indicator is made from two thin card discs which are fastened at the centre so that they can freely rotate. As disc B rotates the arrow lines up with a track number and details about the title of the track and the artist appear through the holes in disc B.

- (a) Complete the drawing of disc A by adding the following:
- a box for each of the track numbers and label these 1–12;
 - the positions for the titles and artist's names. These should be shown as
 - a series of rectangles labelled T1–T12 for the titles and A1–A12 for the artists.

Use your judgement for any dimensions which are not given. [6]



Track indicator



Disc A

Scale 2:1

- (b) Use sketches and notes to explain how the use of CAD would make it easier to layout and draw the track number boxes 1–12 as required in part (a). [2]

- (c) Show, using an annotated sketch how the two discs could be fastened together. [2]