



Candidate Name	Centre Number	Candidate Number
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OXFORD CAMBRIDGE AND RSA EXAMINATIONS
General Certificate of Secondary Education

D & T (GRAPHIC PRODUCTS)
D & T (GRAPHIC PRODUCTS) (SHORT COURSE)
PAPER 1 (FOUNDATION TIER)
Specimen Paper **2003**
1 hour 15 minutes

Additional materials:
Drawing aids may be used.

TIME 1 hour 15 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.

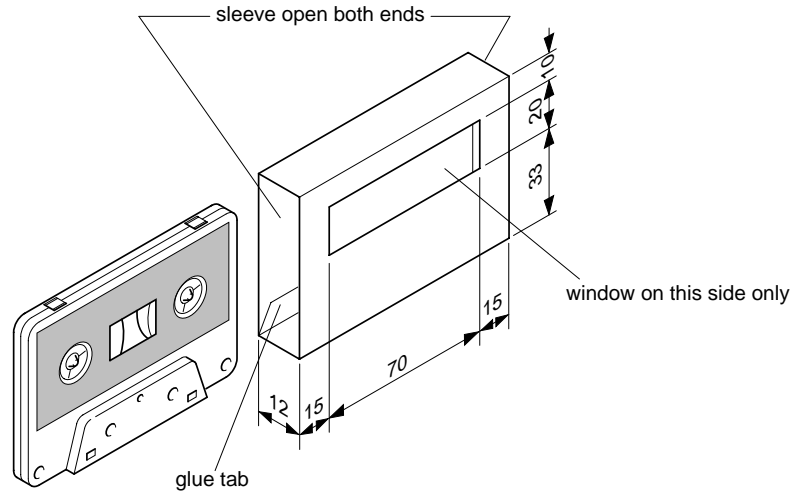
Marks will be awarded for the use of correct conventions.

Total marks for this paper is 50.

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

This question paper consists of 3 printed sheets.

1 Details are given about a sleeve to hold a cassette tape.



(a) The sleeve is made by folding the card shape given below. Add to the card shape:

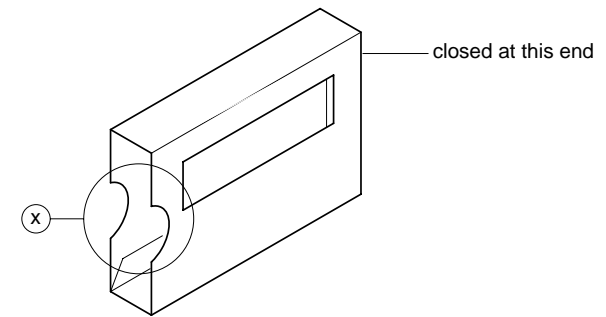
- (i) the fold lines; [4]
- (ii) the 'window'. [2]



Card shape for making the cassette sleeve

Scale 1:1

(b) A number of problems have been found with the sleeve shown in part (a). The design shown below helps to overcome these problems.



(i) Explain why the change shown at X has been made.

_____ [2]

(ii) Give **two** reasons why this design would be more expensive to manufacture than the card sleeve shown in part (a).

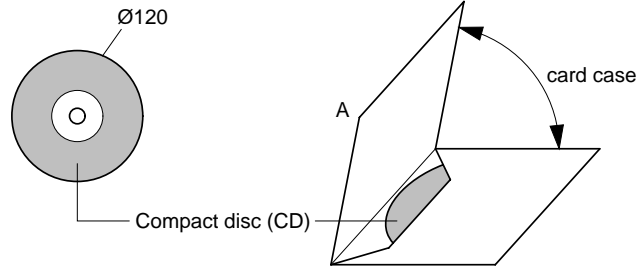
Reason 1 _____ [1]

Reason 2 _____ [1]

2 Shown below is a design for a card case to hold a compact disc (CD) 120 millimetres in diameter. The case is to be made from a single piece of card. The CD fits tightly into the case.

- (a) Draw full size, a development (net) of the CD case.
 The position for corner A is shown.
 Clearly show all fold lines and glue tabs.
 Use your judgement for the sizes of the case.

[8]



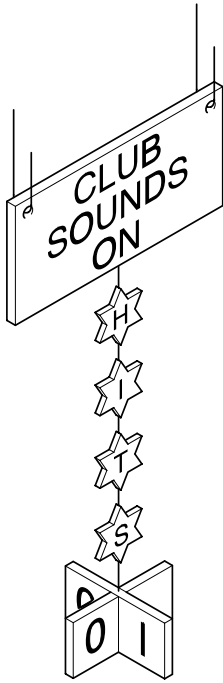
- (b) It has been found that when CD cases are displayed in shops, people often open them and damage the CDs.

State **two** methods which would stop people easily opening the cases.

1 _____ [1]

2 _____ [1]

- 3 Shown below is a design for a mobile which is to be used as part of an advertising campaign for a CD called 'HITS 01'. The mobile is to be made from foamboard.



- (b) (i) The stars are based on a regular hexagon, length of side 30 mm. Draw a full size view of a star which could be used in the production of a template. [2]

- (ii) State **two** ways in which the use of a template would improve the manufacture of the stars.

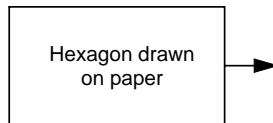
1 _____ [1]

2 _____ [1]

- (a) Use a sketch and notes to show how two pieces of foamboard would need to be cut and joined to make the cross part of the mobile. [3]



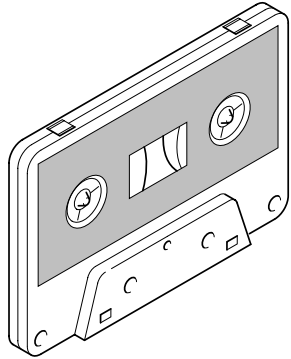
- (c) Complete the block diagram to explain the stages in making the template and manufacturing **four** stars. Details should be given about the materials and equipment to be used. [3]

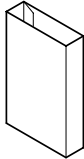
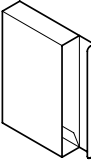
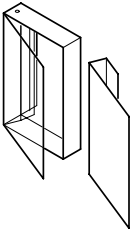


5 The evaluation table below shows three possible methods for packaging an audio cassette tape.

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