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FOR OFFICIAL USE

F

1330/401

NATIONAL QUALIFICATIONS 2007

THURSDAY, 17 MAY 9.00 AM – 10.15 AM

GRAPHIC COMMUNICATION
STANDARD GRADE
Foundation Level

	KI	DA
1		
2		
3		
4		
5		
6		
7		
8		
9		
Total Marks		

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth
Day Month Year

Scottish candidate number

Number of seat

80 marks are allocated to this paper: KI 30 marks
DA 50 marks

1 Answer **all** questions.

2 Read each question carefully before you answer.

3 Written answers may be in **ink** or **pencil**.

4 Drawings and sketches **must be in pencil**.

5 Sketches need only be in line form—**do not spend time rendering**.

6 Dimensions are given in millimetres or as stated.

7 Orthographic drawings are in third angle projection.

8 For each question, the element being tested and the mark allocation are shown in brackets, eg (DA 5) means a question on Drawing Abilities worth 5 marks.

9 **At the end of the examination**

check that your name is on every sheet;

put the sheets in correct numerical order;

place this sheet on top of the others;

join all sheets together by **stapling** at the top left-hand corner;

before leaving the examination room, you must give these sheets to the invigilator (if you do not you may lose all the marks for this paper).

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1

(*a*) Complete the following table by **ticking (✓)** whether the item is an input, output or storage device.

NAME	INPUT	OUTPUT	STORAGE
Keyboard			
Printer			
Scanner			
Hard disc			

KI 4

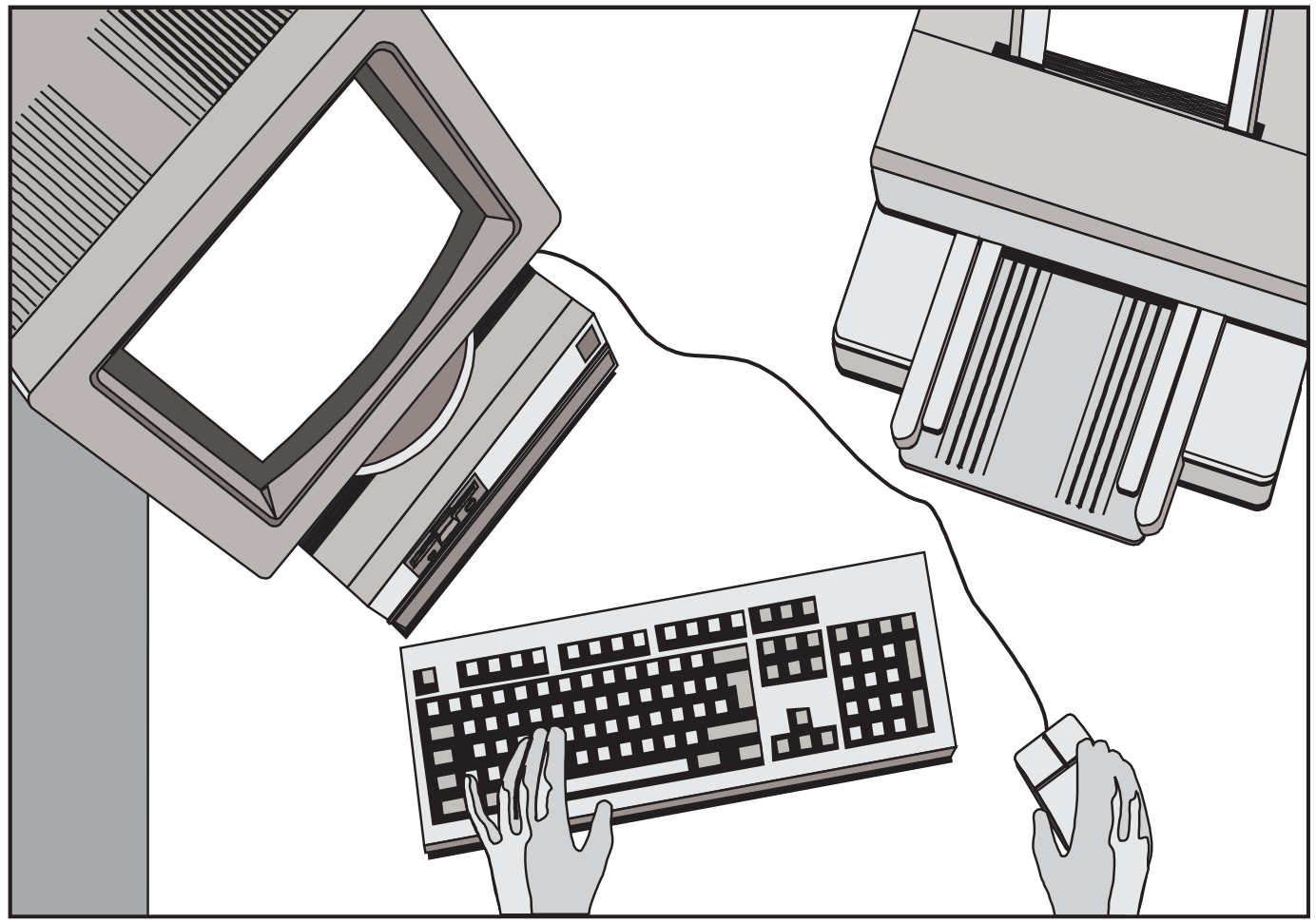
(*b*) State what is meant by the term **hard copy**.

Answer ..... **KI 1**

(*c*) State why it is important to store work at regular intervals on the computer.

Answer ..... **KI 1**

Total (KI 6)



Candidate's Name _____

2

Use the Colour Wheel to help you answer the following questions.

(*a*) In the table below, indicate with a tick (✓) if the colours are primary, secondary or tertiary.

COLOUR	PRIMARY	SECONDARY	TERTIARY
RED			
VIOLET			
BLUE-GREEN			
BLUE			
YELLOW-ORANGE			
GREEN			

KI 6

(*b*) State **two** colours which are in harmony with yellow.

Colour 1 ..... Colour 2 .....

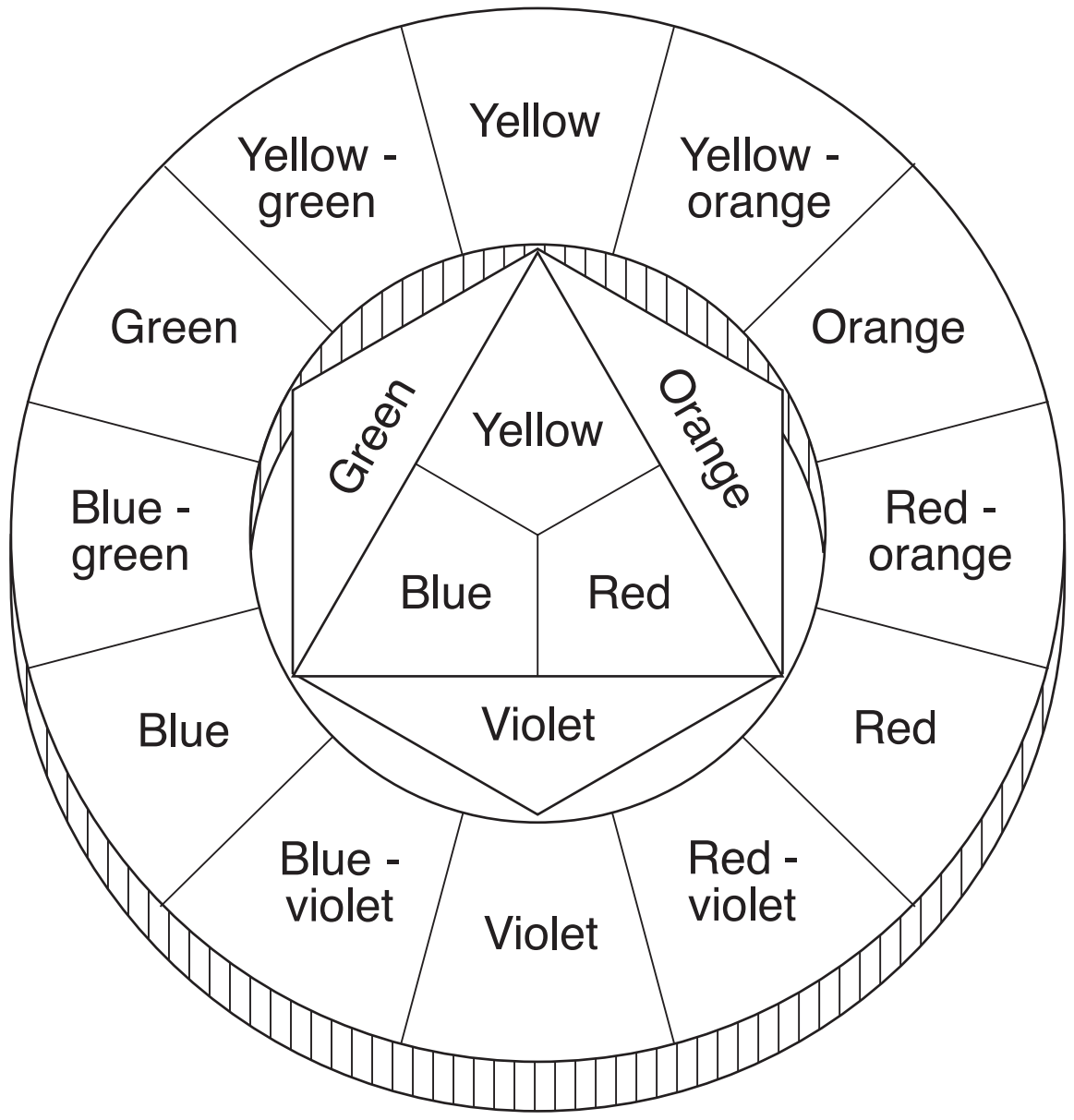
KI 2

(*c*) State **two** colours which are in contrast with yellow.

Colour 1 ..... Colour 2 .....

KI 2

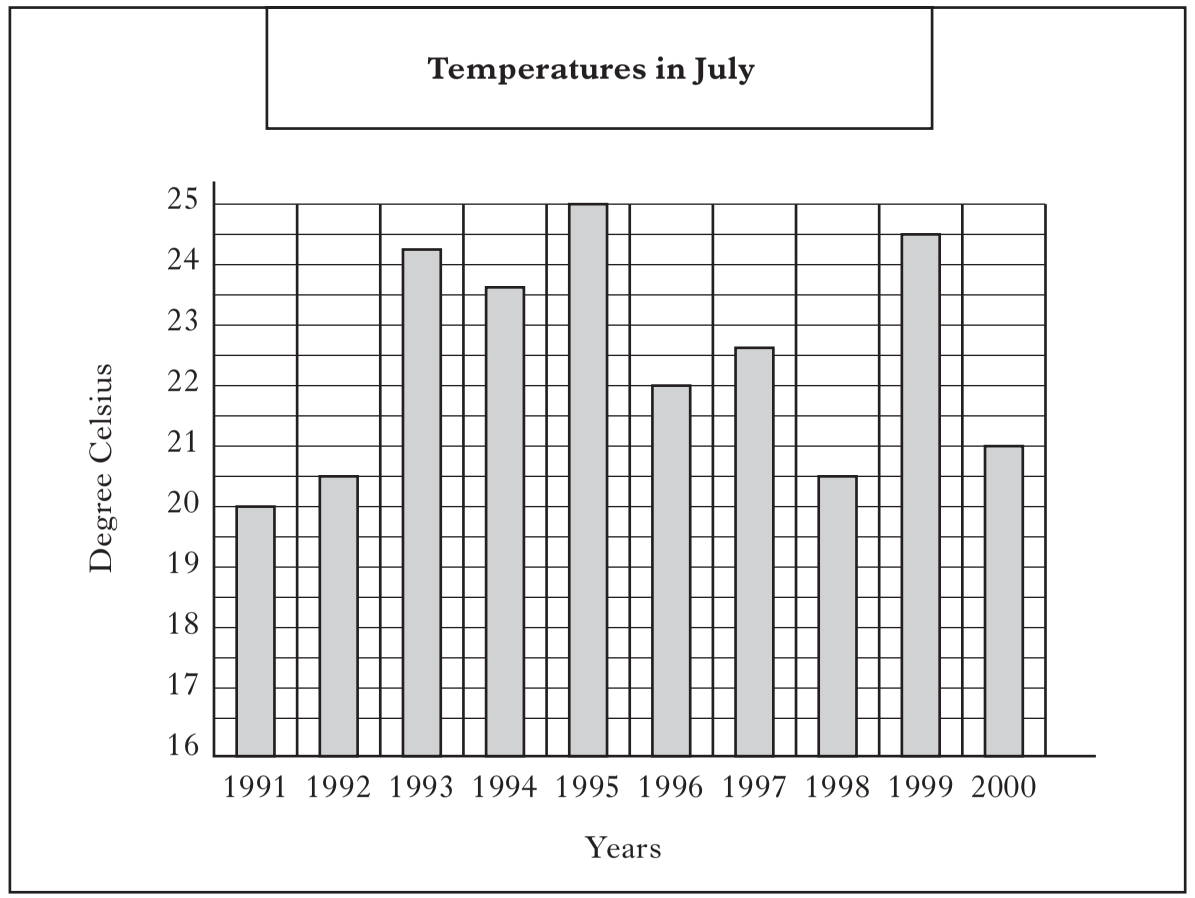
Total (KI 10)

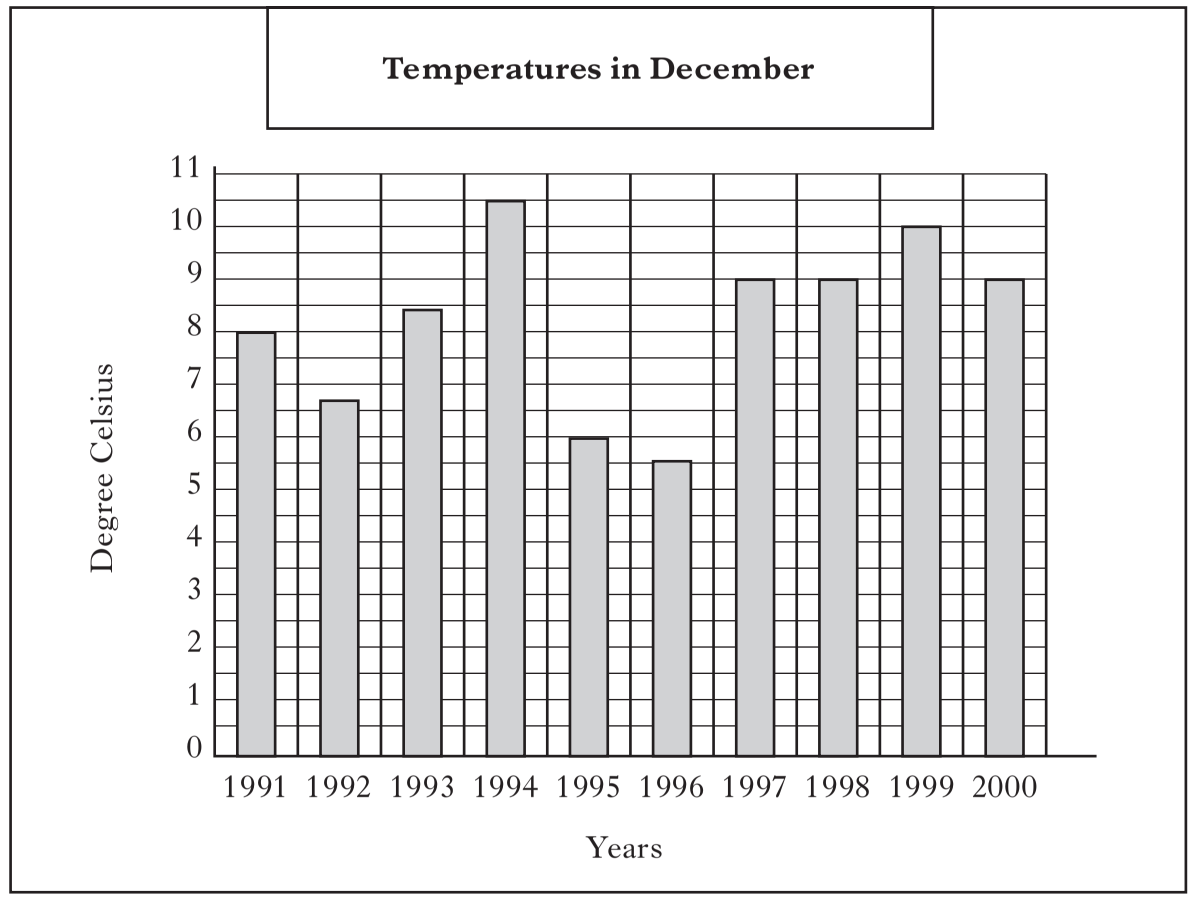


COLOUR WHEEL

3

Look at the graphs below and answer the following questions.





(*a*) State the year in which the temperature for July reached 21° Celsius.

Year..... **KI 1**

(*b*) State the year in which the temperature for July was the same as for 1998.

Year..... **KI 1**

(*c*) State the year in which the highest temperature for July was recorded.

Year..... **KI 1**

(*d*) State the year in which the lowest temperature for December was recorded.

Year..... **KI 1**

(*e*) State the year in which the highest temperature for December was recorded.

Year..... **KI 1**

(*f*) State the number of years that the temperature for December was 9° Celsius.

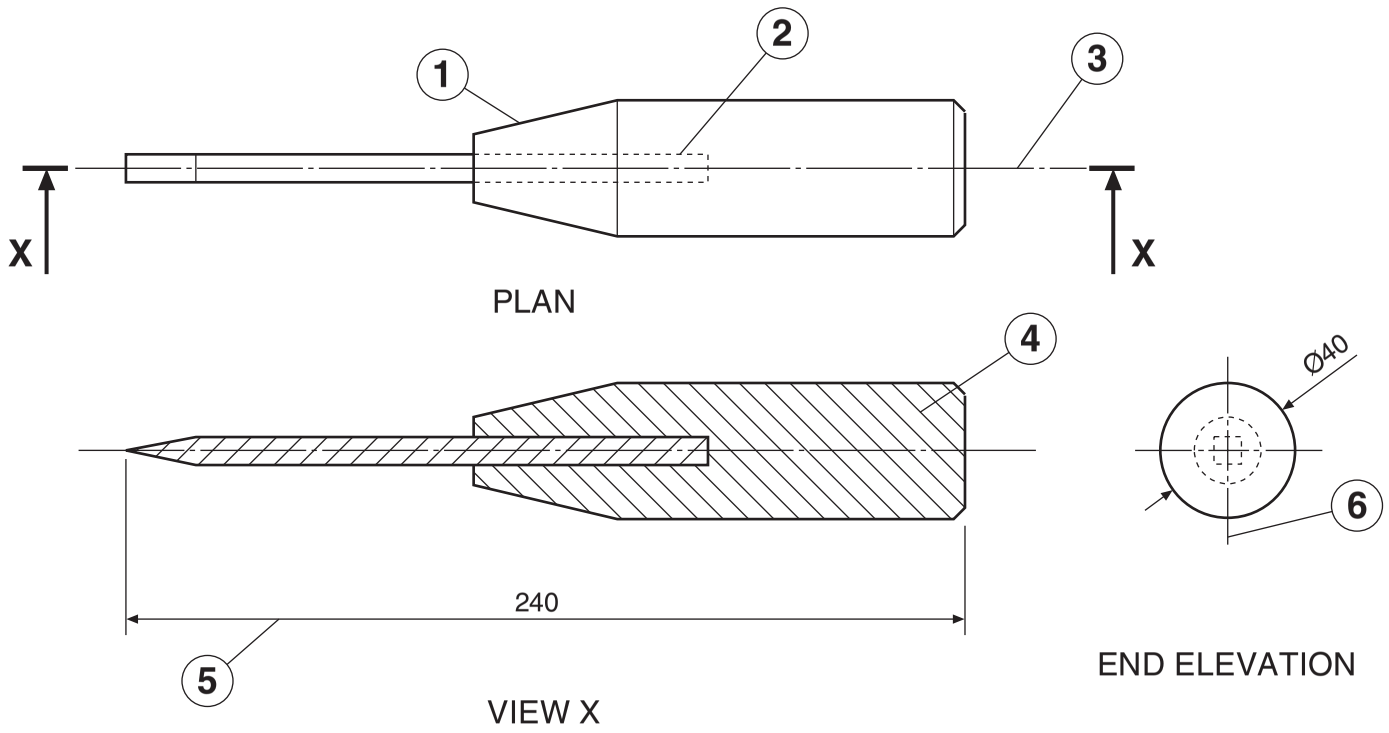
Number..... **KI 1**

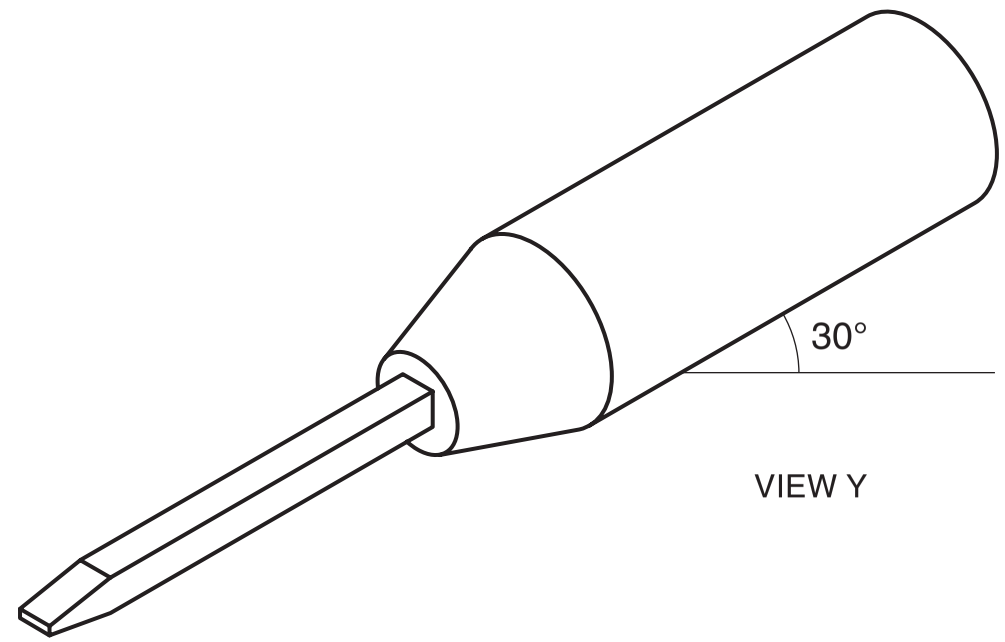
Total (KI 6)

Candidate's Name _____

4

An orthographic drawing, with a number of different line types indicated, is given below. A pictorial view is also given.





(*a*) Complete the given table by adding the number of the line types indicated on the orthographic drawing above.

Table of line types

Hatching	
Dimension	
Outline	
Centre	
Cutting plane	
Hidden	

KI 6

(*b*) State the type of elevation shown at **view X.**

View X ..... **KI 1**

(*c*) State the type of pictorial drawing shown at **view Y.**

View Y ..... **KI 1**

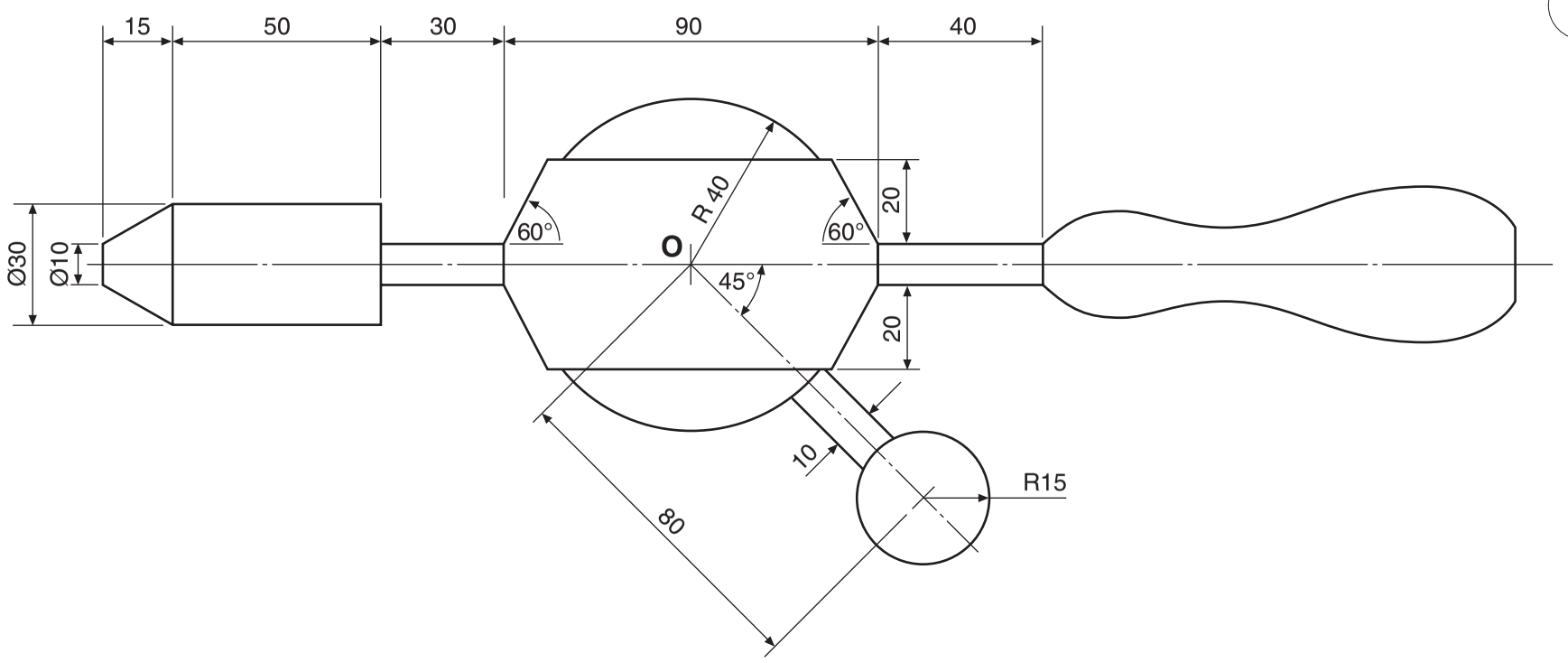
Total (KI 8)

5 A dimensioned drawing of a hand drill is shown.

Draw the drill to the given sizes.

The handle of the drill and position of **O** are given as a start.

Do not show dimensions. **Total (DA 12)**



Candidate's Name _____

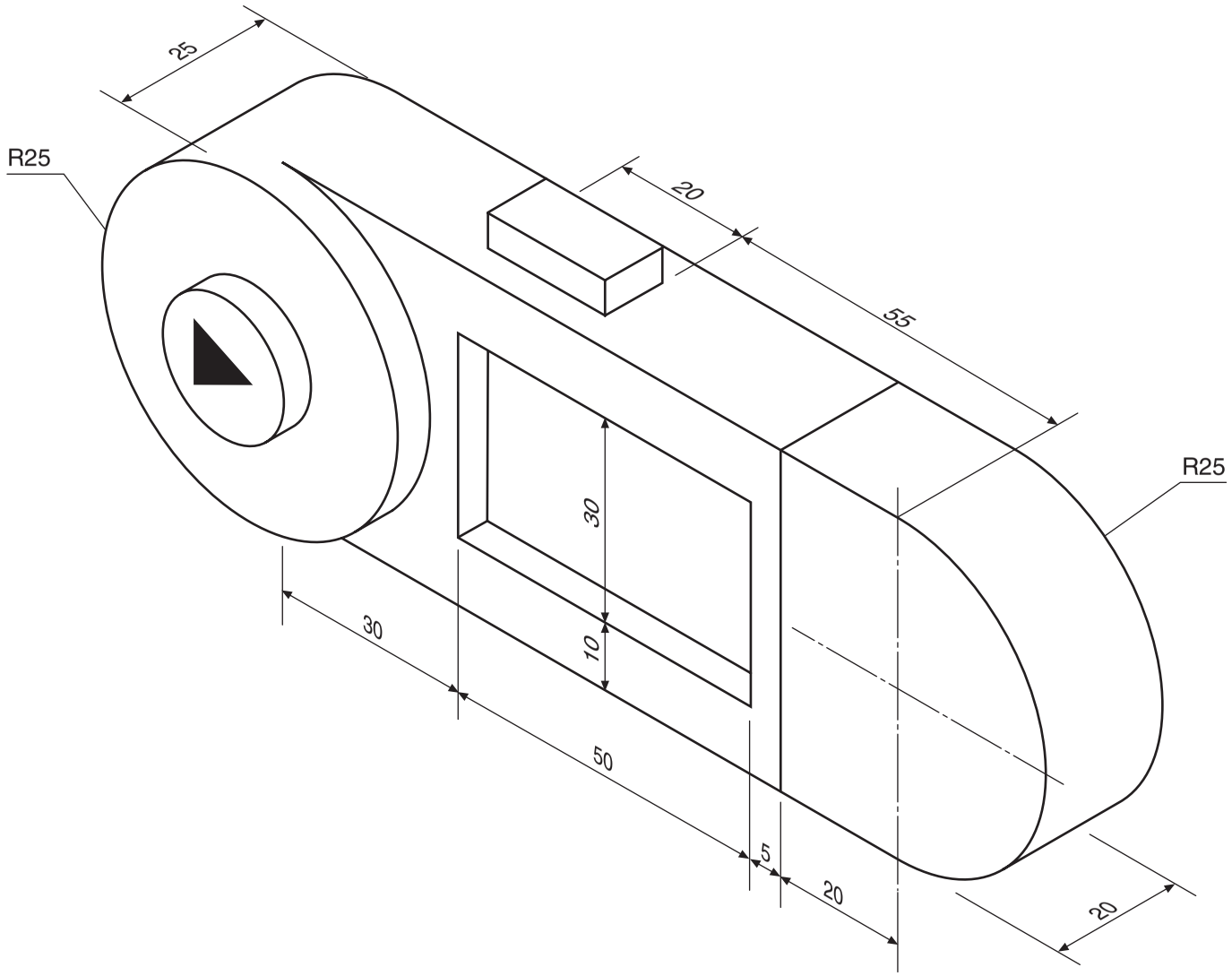
The end elevation of an MP3 player is given.
A pictorial view is also shown.

Draw:

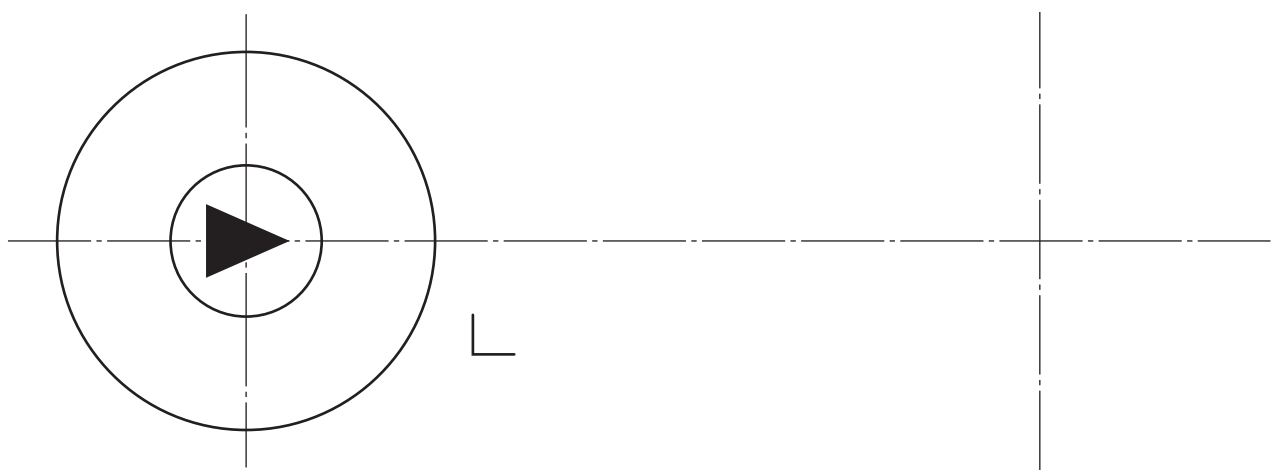
(*a*) the elevation in the position given; **DA 6**

(*b*) the plan projected from the elevation and end elevation. **DA 6**

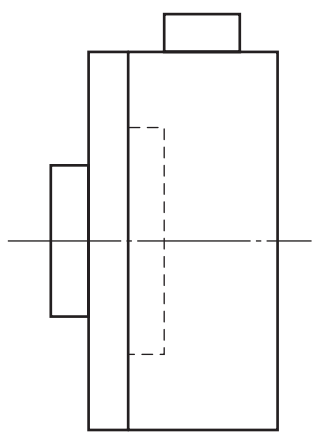
Show hidden detail. **Total (DA 12)**



PLAN



ELEVATION



END ELEVATION

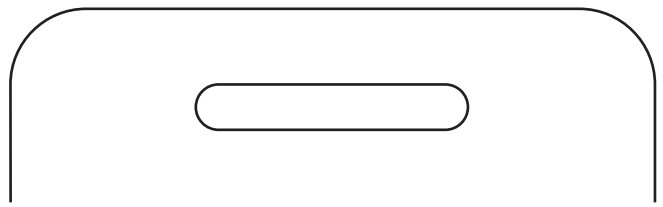
6

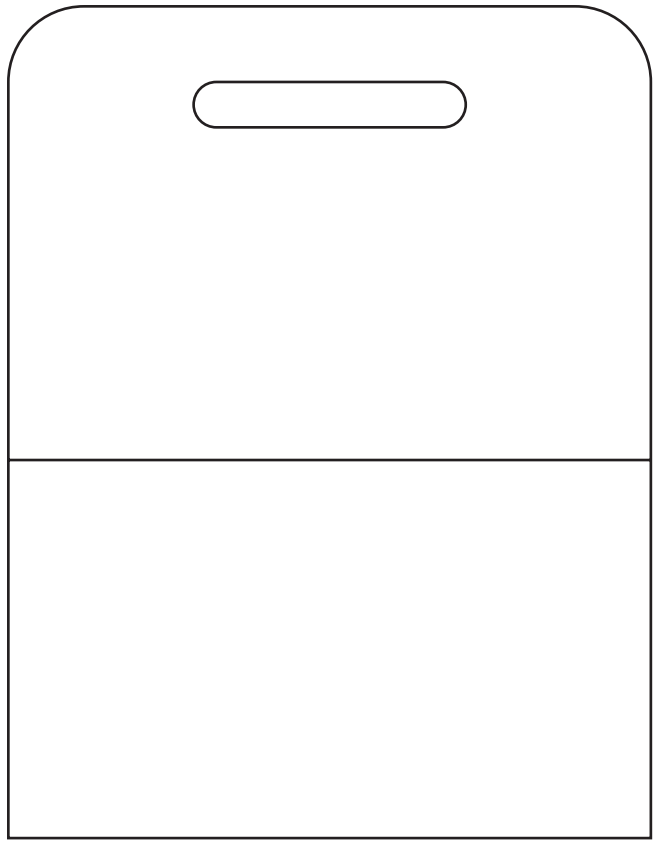
7

The elevation, end elevation and pictorial view of a razor cartridge box are shown.

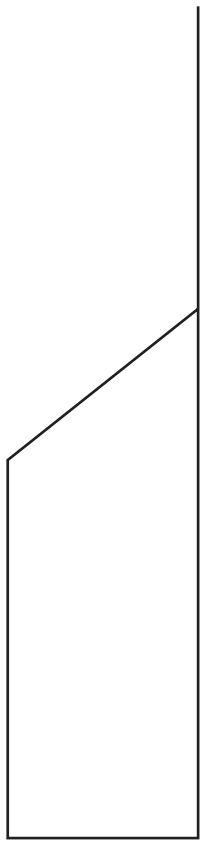
Draw the development of the box using the given start. **Total (DA 6)**

DEVELOPMENT





ELEVATION



END ELEVATION

Candidate's Name _____

8

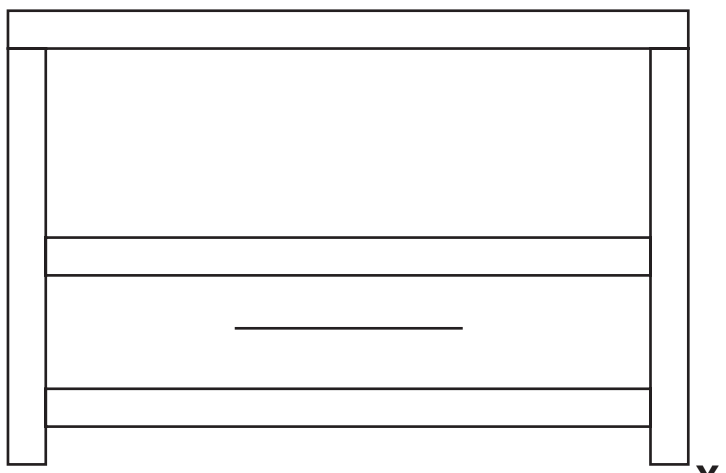
The elevation and end elevation of a TV and DVD cabinet are shown.
The cabinet has a drawer and an open shelf for the DVD player.

Draw an **isometric view** of the cabinet with corner **X** as the lowest point.

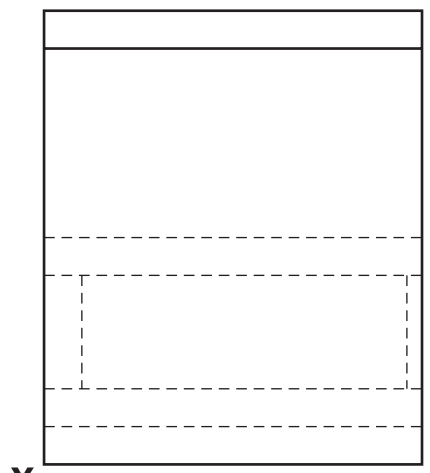
Do not show hidden detail.

The drawer handle should be represented as a line. **Total (DA 10)**

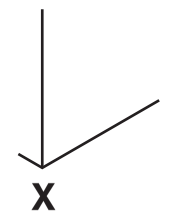
8



ELEVATION



END ELEVATION



ISOMETRIC VIEW

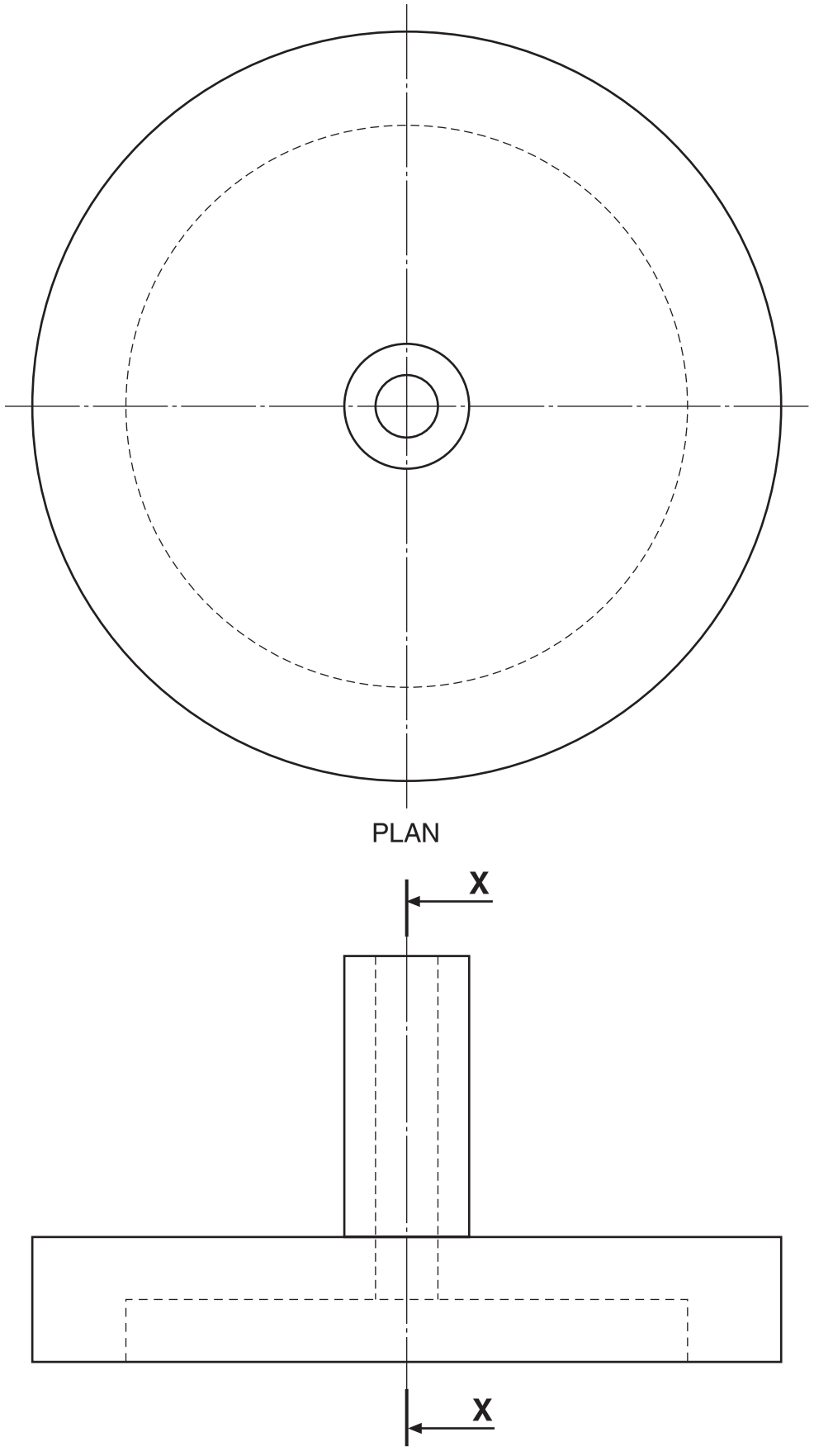
9

The elevation and plan of a CD spindle are given.
A pictorial view is also shown.

Draw a sectional end elevation on **X-X** in the position given.

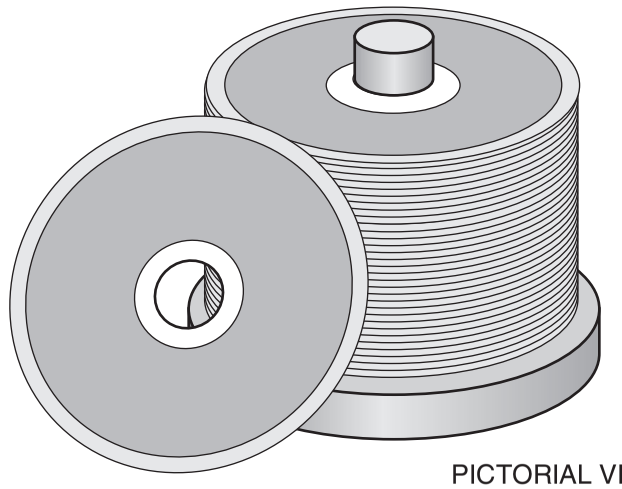
Do not show hidden detail.

Total (DA 10)



PLAN

ELEVATION



PICTORIAL VIEW

SECTIONAL END ELEVATION ON **X-X**

[END OF QUESTION PAPER]

Candidate's Name _____

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