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FOR OFFICIAL USE

X033/101

NATIONAL QUALIFICATIONS 2009

THURSDAY, 28 MAY
1.00 PM – 3.00 PM

GRAPHIC COMMUNICATION INTERMEDIATE 1

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

70 marks are allocated to this paper

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 Dimensions are given in millimetres or as stated.

6 Orthographic drawings are in third angle projection.

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).

Question	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
Total Marks	

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1

Listed below are some of the colours found on a colour wheel.

Blue Orange Yellow-Orange Green Blue-Green Red

State, from the list of colours:

(*a*) a primary colour **1**

(*b*) a secondary colour **1**

(*c*) a tertiary colour **1**

(*d*) an advancing colour **1**

(4 marks)

2

The following computer hardware devices can be found in a typical drawing office.

monitor keyboard hard drive mouse plotter memory card

Identify, from the list above:

(*a*) an input device **1**

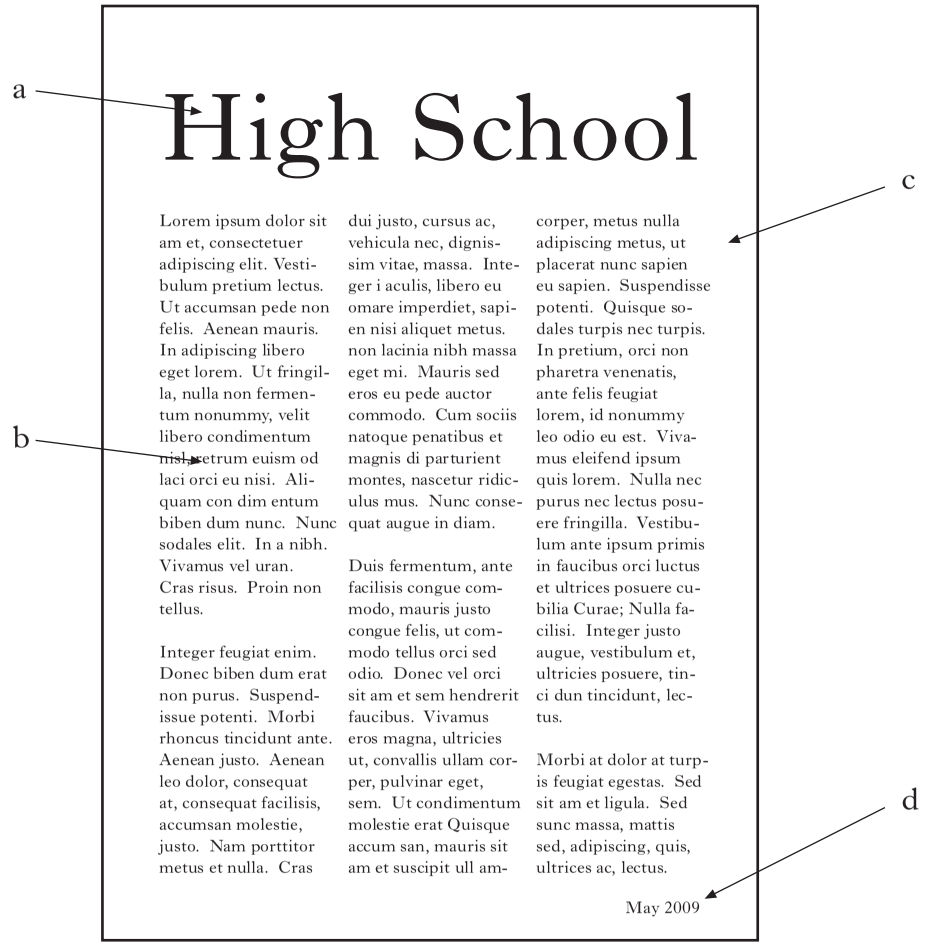
(*b*) a storage device **1**

(*c*) an output device **1**

(3 marks)

3

A school newsletter has been produced using a DTP package. Identify **each** of the features, shown below.



(*a*) **1**

(*b*) **1**

(*c*) **1**

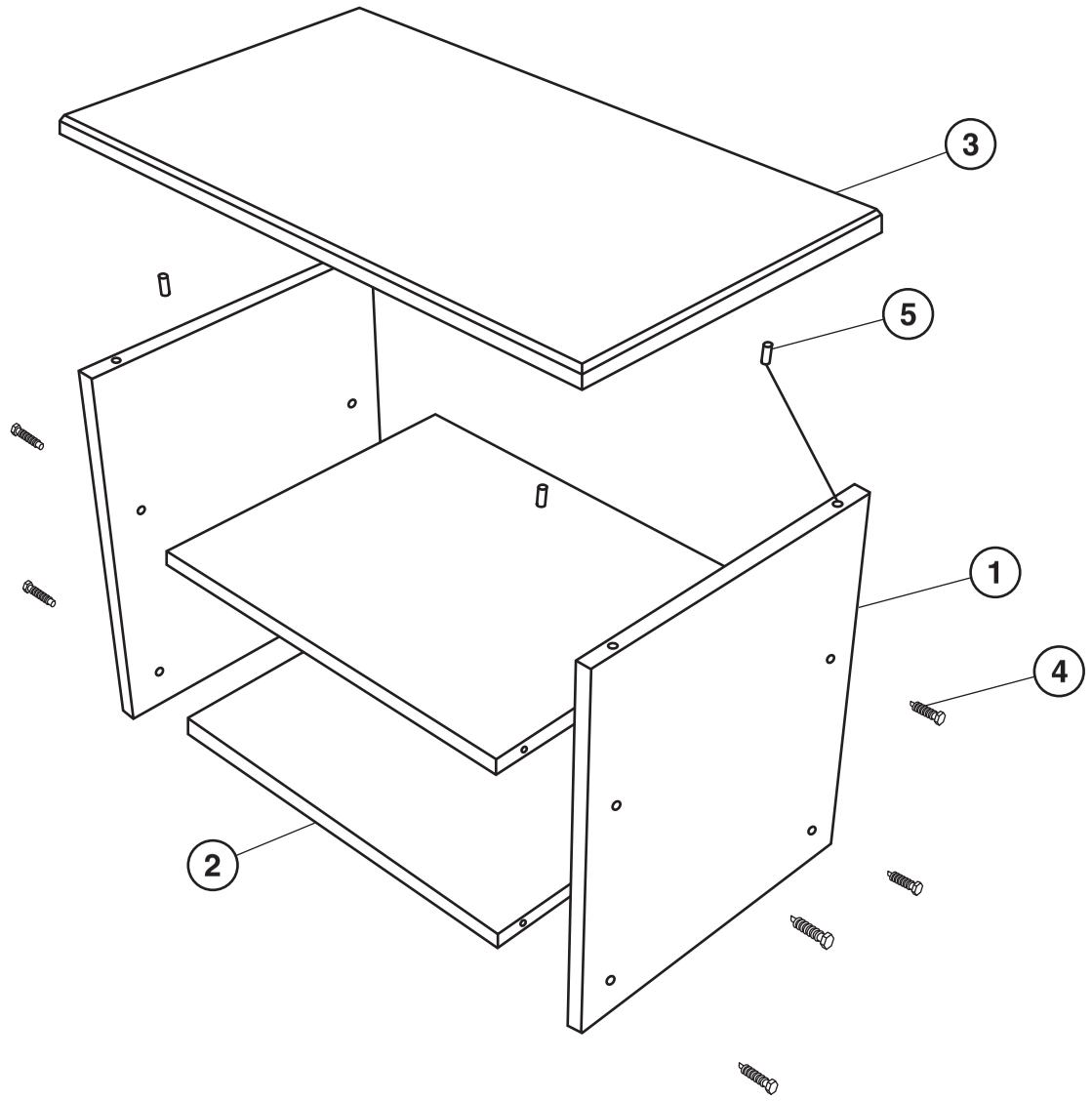
(*d*) **1**

(4 marks)

Candidate's Name _____

4

The assembly diagram and parts list for a flat-pack TV cabinet is given below.



PARTS LIST

ITEM NO	PART NO	NAME / DESCRIPTION / L x B x Th	MATERIAL	NO USED
1	922-311	Side Panel – L 500 x B 400 x Th 20 mm	OAK	2
2	922-312	Shelf – L 500 x B 400 x Th 20 mm	OAK	2
3	922-476	Top – L 700 x B 400 x Th 20 mm	OAK	1
4	316-194	Bolt – M5 x 50 mm	STEEL	8
5	259-763	Dowel –Ø10 x 20 mm	PINE	4

(*a*) State how many bolts are used in the assembly.

..... **1**

(*b*) State the material the shelves are made from.

..... **1**

(*c*) State the part no for the sides.

..... **1**

(*d*) State the length of the top.

..... **1**

(*e*) State the diameter of part no 259-763.

..... **1**

(5 marks)

5

The end elevation and isometric view of a toaster are given.

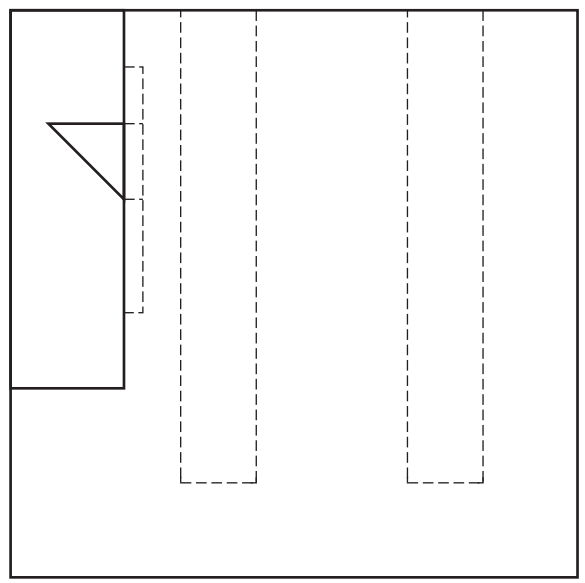
Draw, full size, in the positions indicated:

(*a*) the elevation;

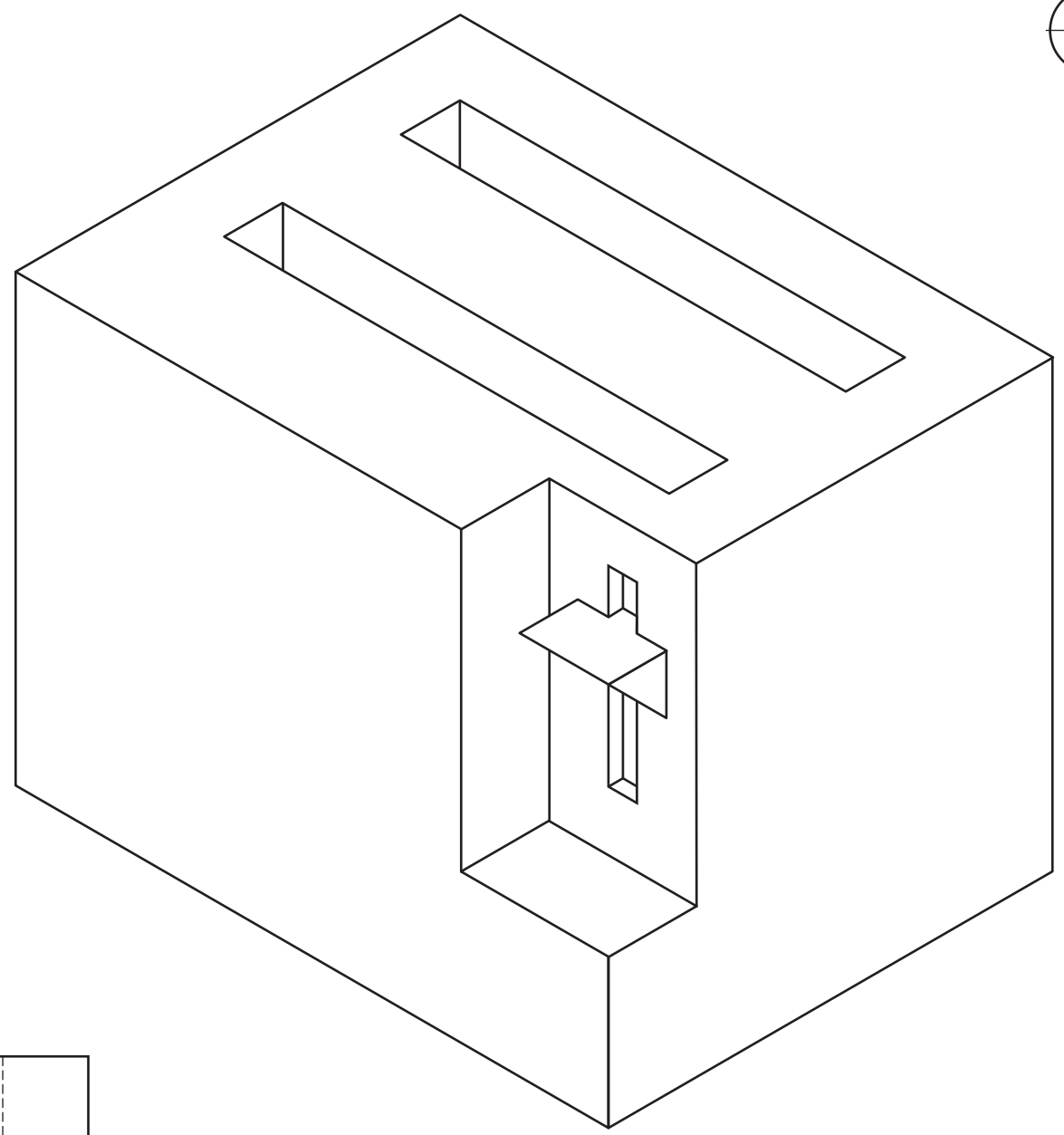
(*b*) the plan.

Show all hidden detail. **(10 marks)**

Plan



End Elevation



Isometric View

Elevation

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

Candidate's Name _____

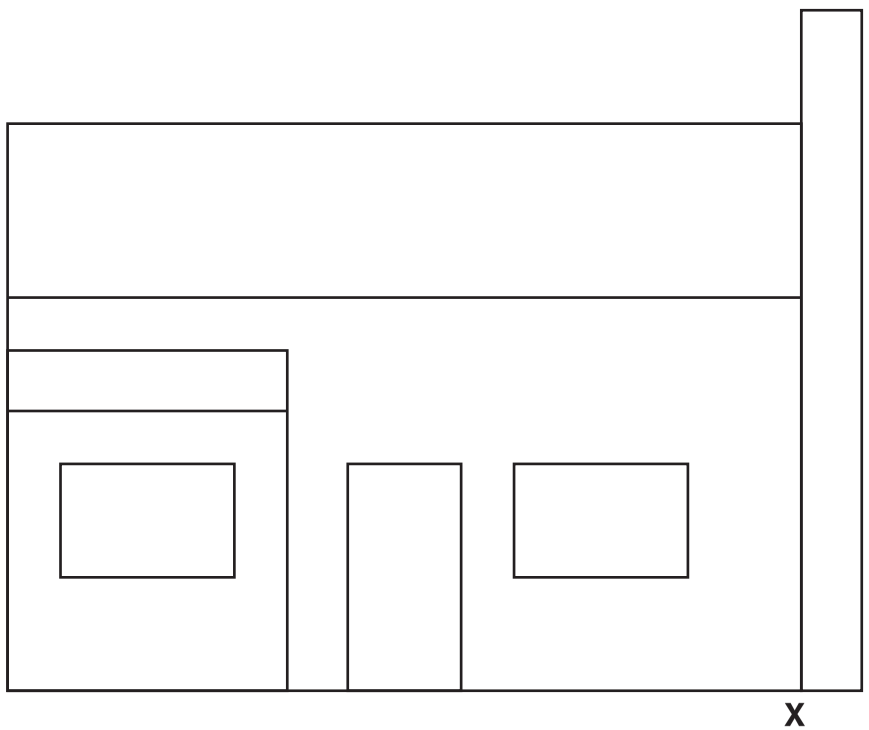
6

The plan, elevation and end elevation of a cottage are given.

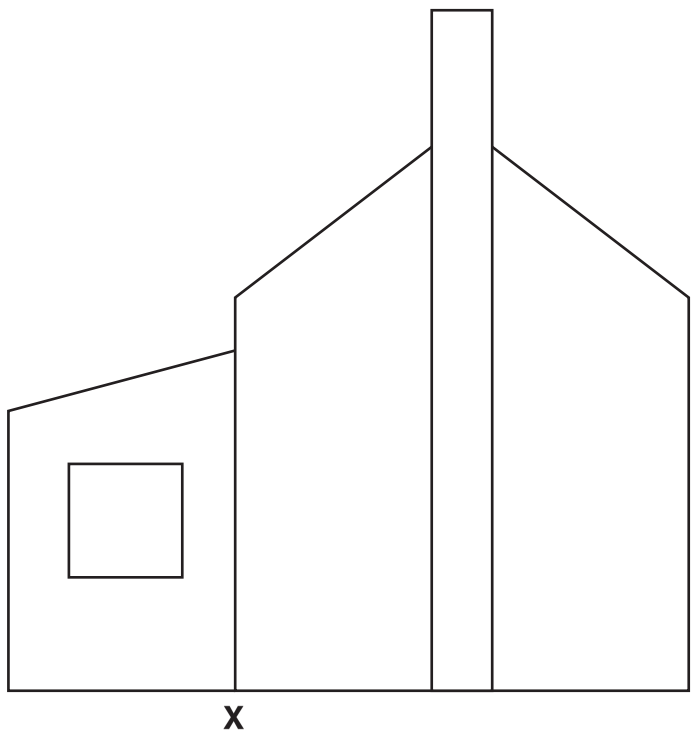
Draw, to the same scale, the **planometric** view of the cottage, in the position indicated.

Do not show hidden detail. **(11 marks)**

Plan



Elevation

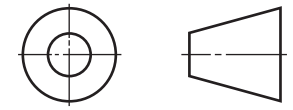


End Elevation

Planometric

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

7



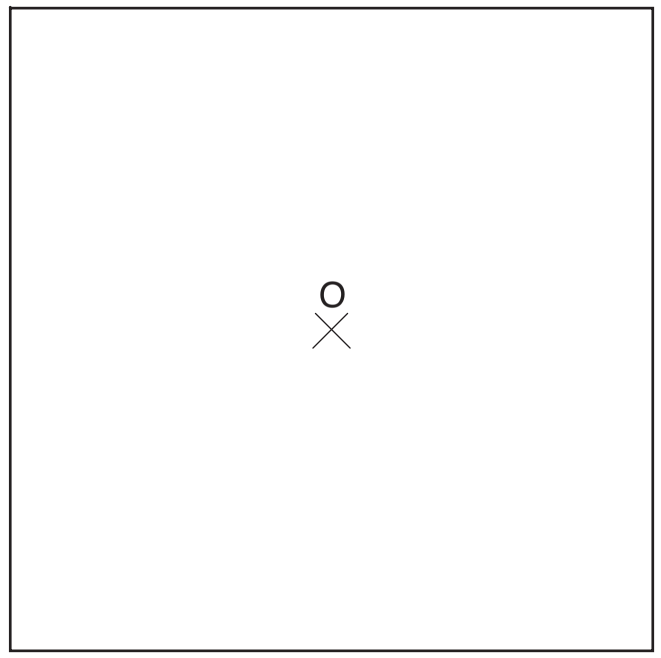
The elevation and incomplete plan of a cut pyramid are given.

Draw, in the positions indicated:

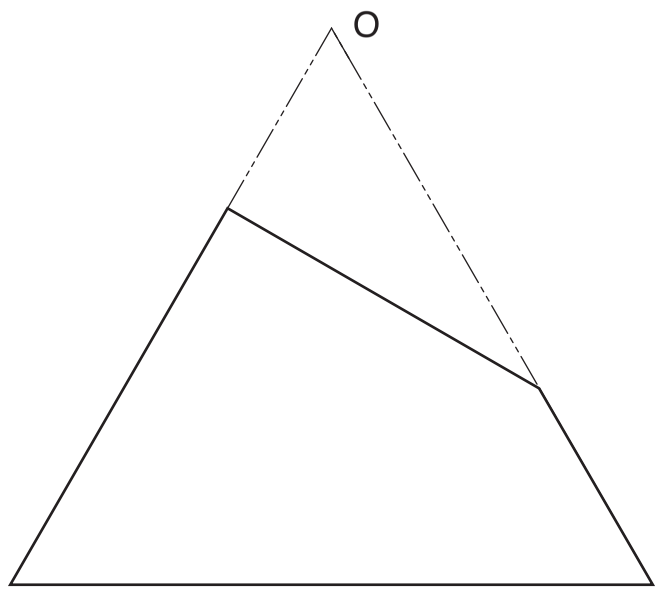
(*a*) the complete plan;

(*b*) the end elevation;

(*c*) the development of the sides of the pyramid. **(12 marks)**



Plan



Elevation

End Elevation

Development

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

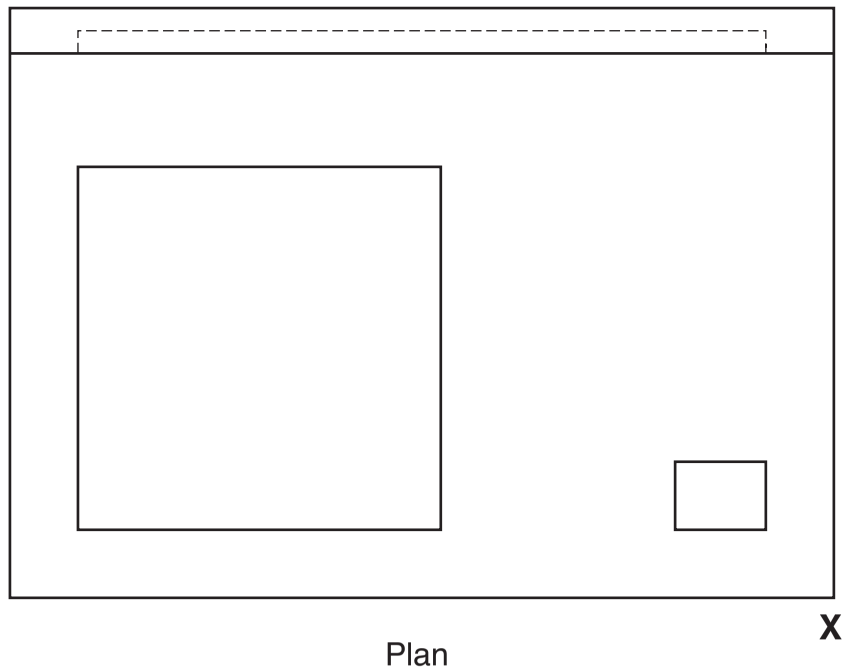
Candidate's Name _____

8

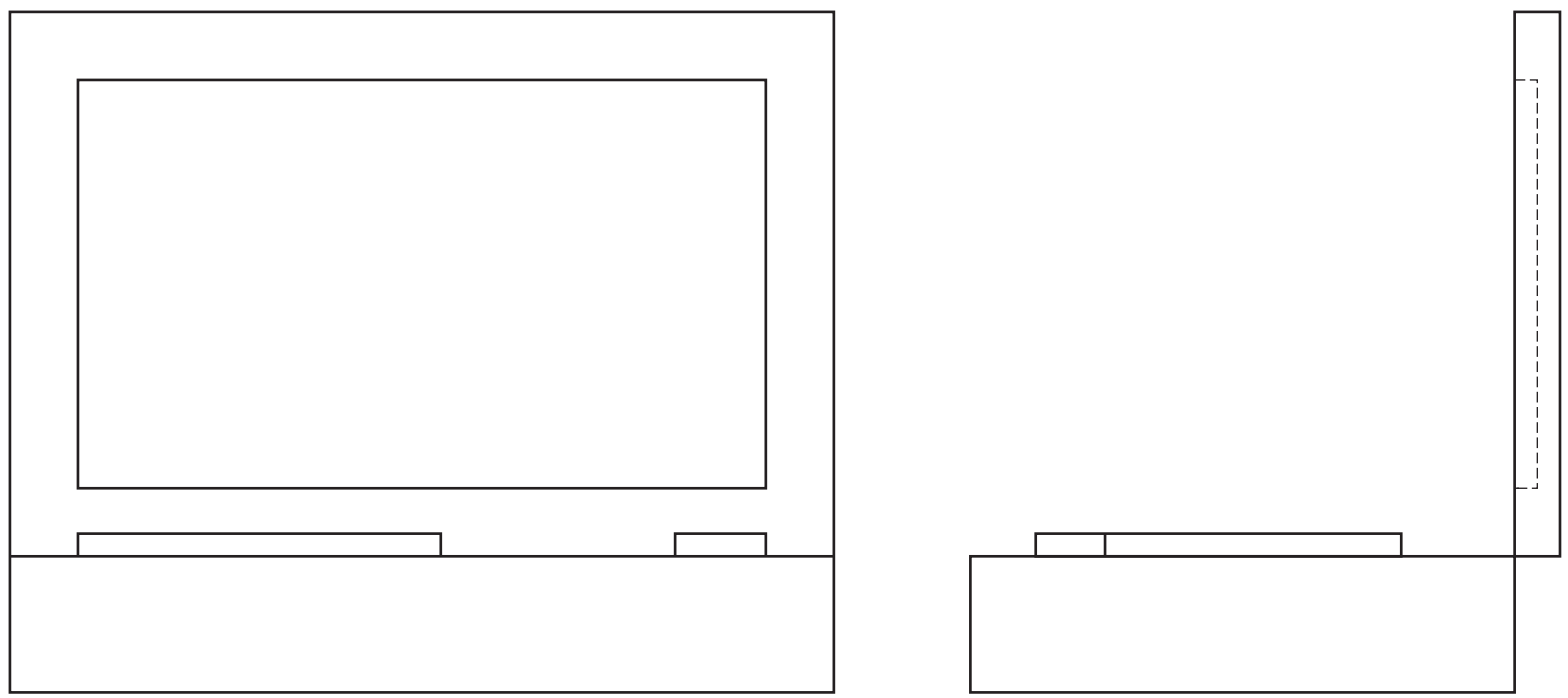
The plan, elevation and end elevation of a portable DVD player are given.

Draw, in the position indicated, the **isometric** view of the portable DVD player.

Do not show hidden detail. **(11 marks)**

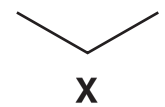


Plan



Elevation

End Elevation



Isometric View

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	

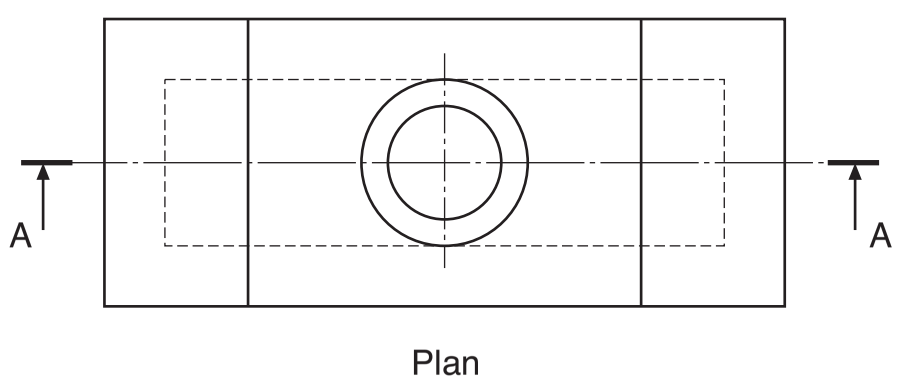
9

The elevation and plan of a small bottle and stopper are given.

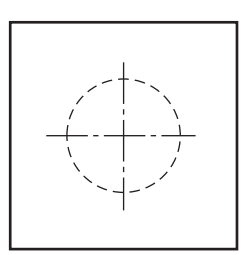
Draw, full size, in the positions indicated:

(*a*) the plan of the **assembled** bottle;
Show all hidden detail.

(*b*) the **sectional** elevation on **A-A** of the assembled bottle.
Do not show hidden detail. **(10 marks)**

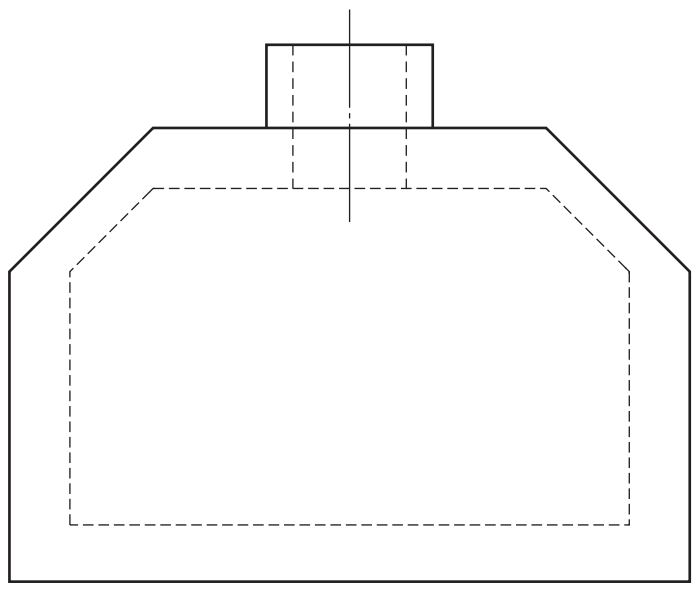


Plan

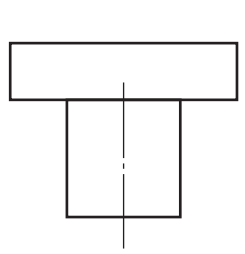


Plan

Bottle **Stopper**



Elevation

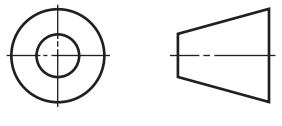


Elevation

Plan

Sectional Elevation on A-A

a	
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	



[*END OF QUESTION PAPER*]

Candidate's Name _____

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