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FOR OFFICIAL USE

X033/10/01

NATIONAL QUALIFICATIONS 2012

FRIDAY, 18 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

The following computer devices can be found in a school's computer suite.

Keyboard	Plotter	Monitor	Hard drive
Laser printer	Mouse	Scanner	DVD

Identify, from the list above:

(*a*) two **output** devices; **1**

..... **1**

(*b*) two **input** devices. **1**

..... **1**

(4 marks)

2

A family are planning to decorate their house to make it more appealing. They decide on blue walls for one of the rooms.

(*a*) State whether blue is an **advancing** or a **receding** colour.

..... **1**

(*b*) State what should be added to blue to make a **shade** of blue.

..... **1**

(*c*) State a **secondary colour** that would **harmonise** with blue.

..... **1**

(*d*) State how a **secondary colour** is created.

..... **1**

(4 marks)

3

A café is looking for a new design for a menu.
Two versions of the menu are shown below.

Design A

Design B

(*a*) State the page orientation that has been used for the menu.

..... **1**

(*b*) State the **single** command that would be used to change the text "Menu 1" in **Design A**, so that it reads vertically, as in **Design B**.

..... **1**

(*c*) State the **single** command that would be used to produce the graphic in **Design B** from the original graphic image.

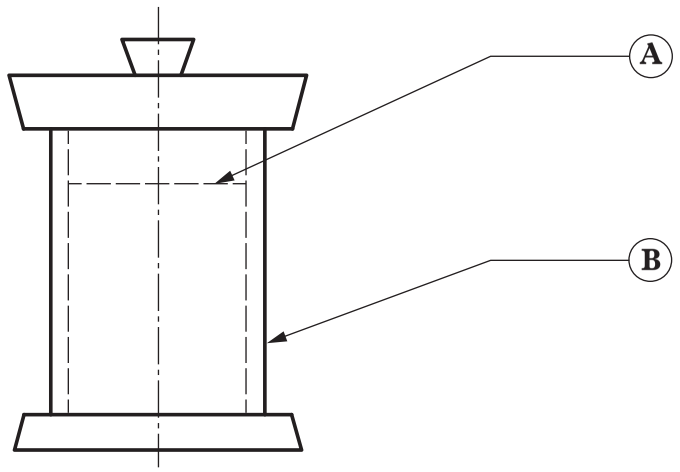
..... **1**

(3 marks)

Candidate's Name _____

4

An elevation of a spice jar is shown below. With reference to British Standards:

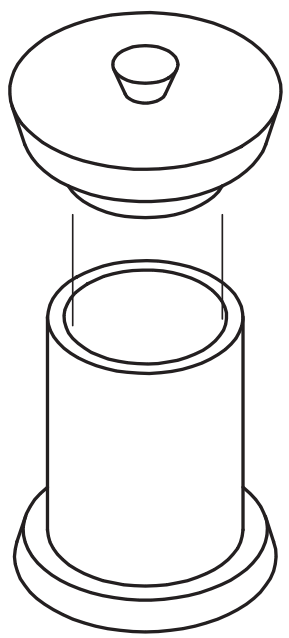


Elevation

(*a*) Identify the following line types.

(i) Line type (A)..... **1**

(ii) Line type (B)..... **1**



Drawing Y

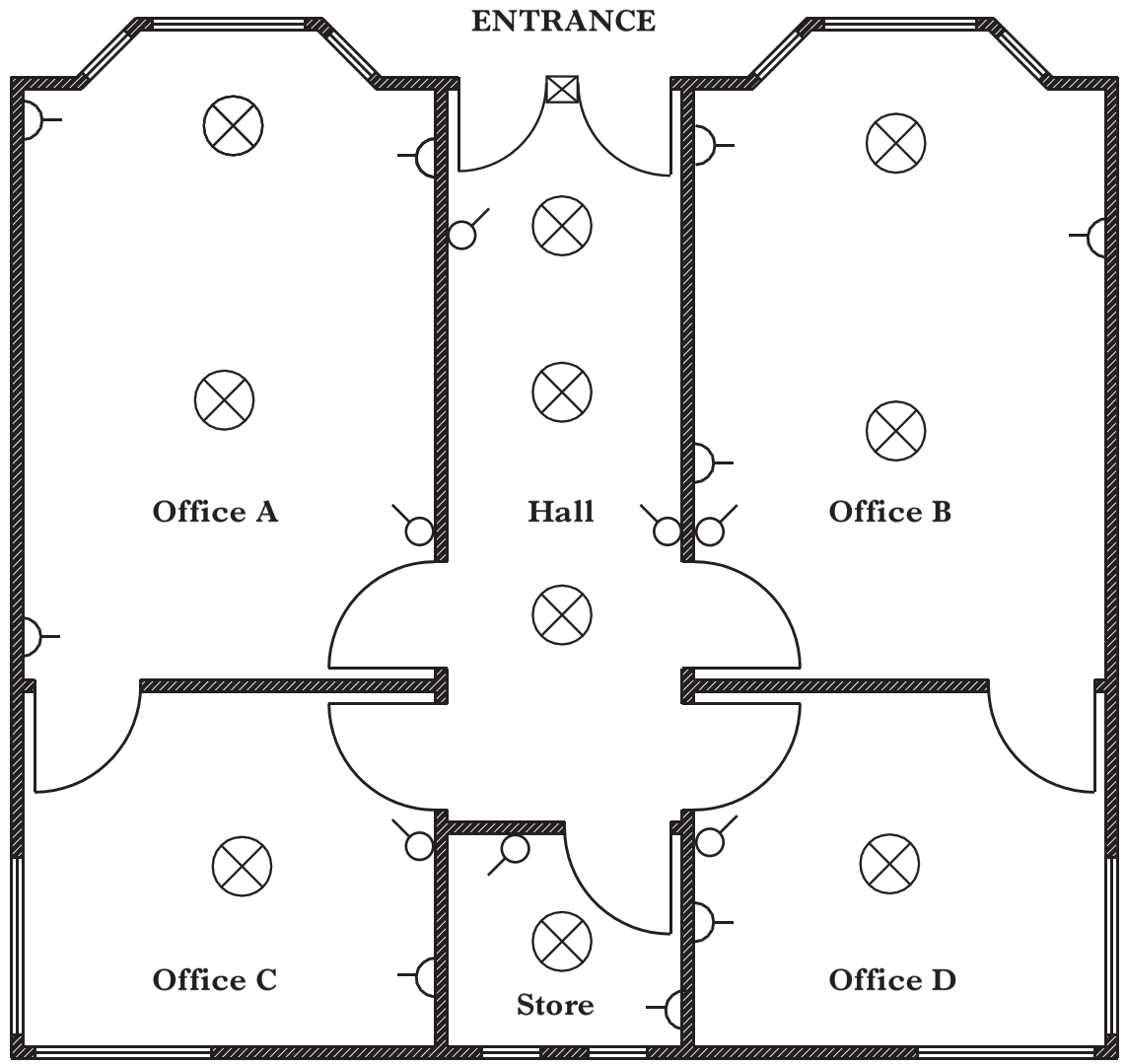
(*b*) State the type of pictorial drawing shown in **Drawing Y** above.

..... **1**

(3 marks)

5

The plan view for a proposed design office is given below.



(*a*) State how many sockets are in **office A**. **1**

(*b*) State how many lamps are in the **hall**. **1**

(*c*) State how many doors open **into** the hall. **1**

(3 marks)

Candidate's Name _____

6

An isometric view, a part view and the elevation of a baby changing unit are given.

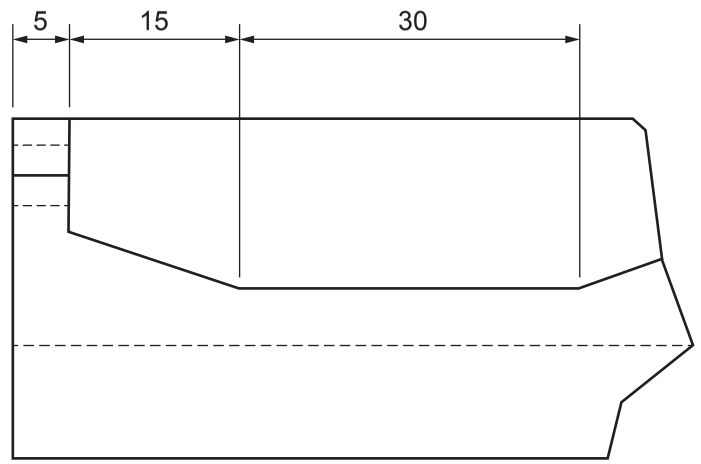
Draw full size, in the positions indicated:

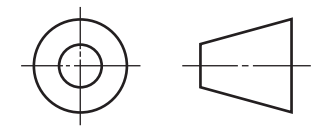
(*a*) the end elevation;

(*b*) the plan.

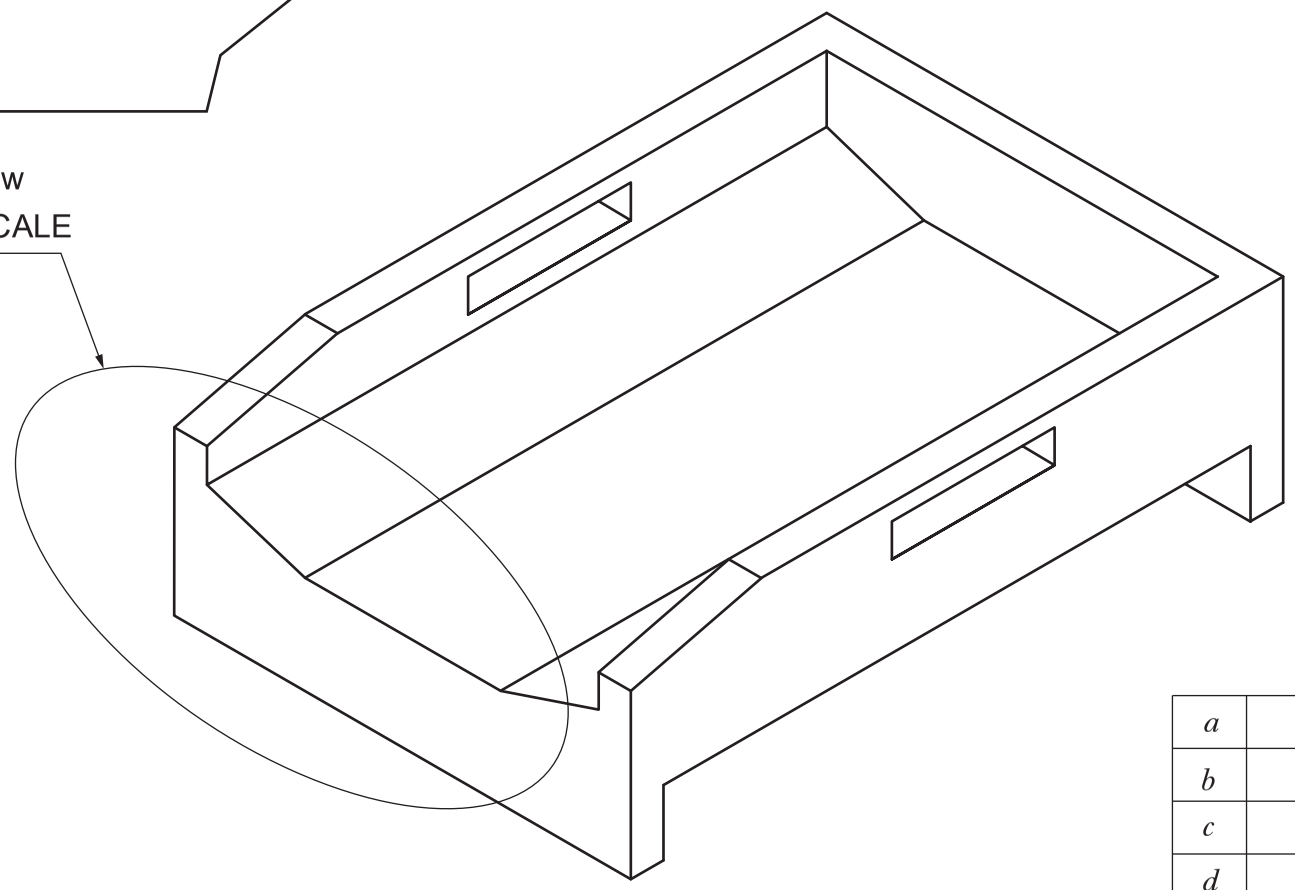
All wall thicknesses are 5 mm.

Show all hidden detail. **(12 marks)**





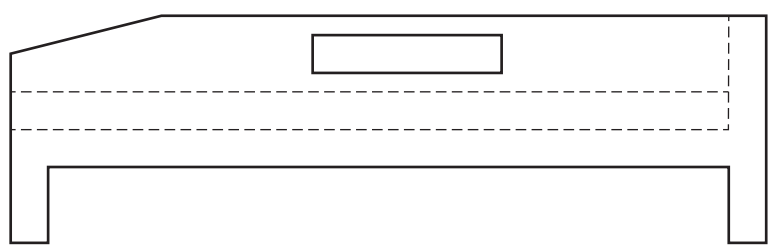
Part View
NOT TO SCALE



Isometric View
Scale 1:1

Plan

End Elevation



Elevation

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Candidate's Name _____

7

The incomplete plan and end elevation of a solar powered garden light with a square base are given. A pictorial view is shown opposite.

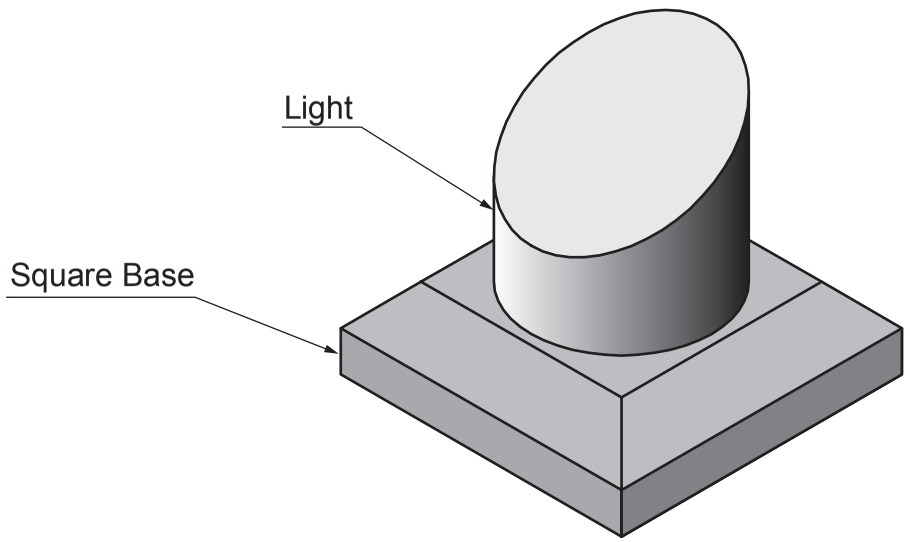
Draw full size, in the positions indicated:

(*a*) the **completed** plan;

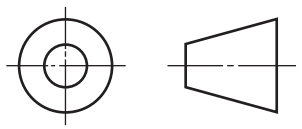
(*b*) the elevation;

(*c*) the development of the curved surface of the light opened along the seam **A-A**.

(14 marks)



Pictorial View



7

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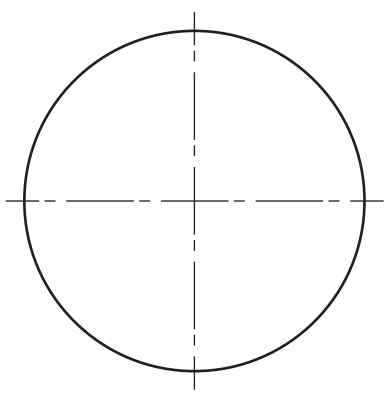
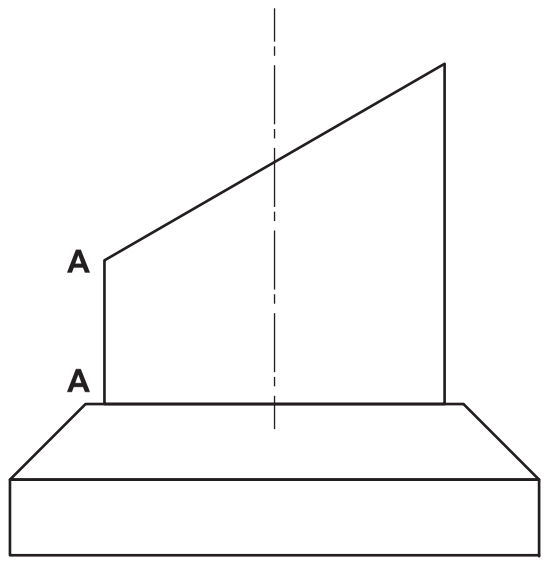


Plan

Elevation



End Elevation

Development

Candidate's Name _____

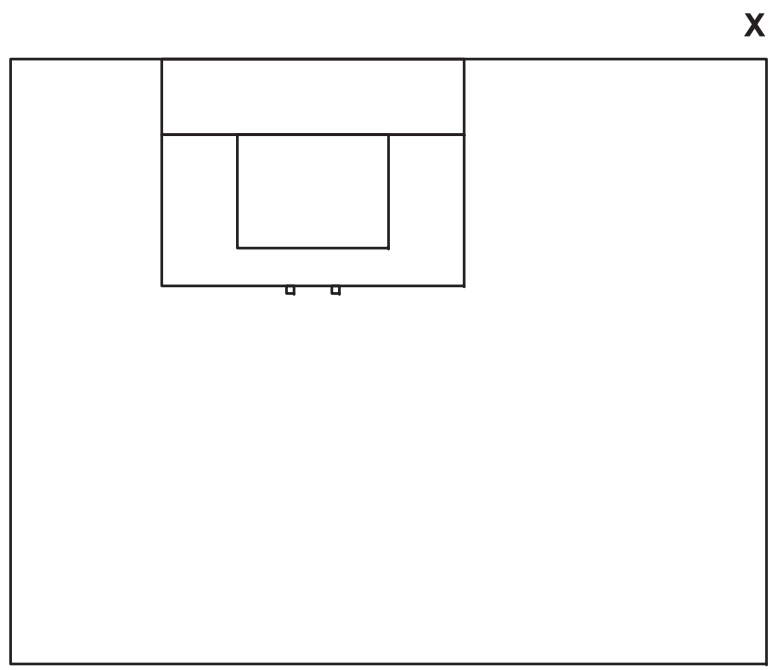
8

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

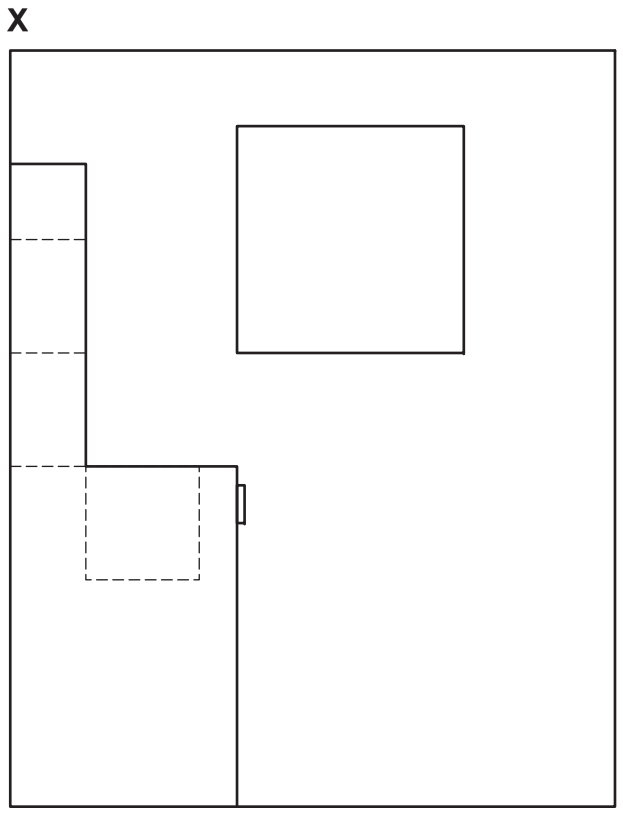
Draw, to the given scale, a **planometric** view of the washroom, in the position indicated.

Do not show the handles.

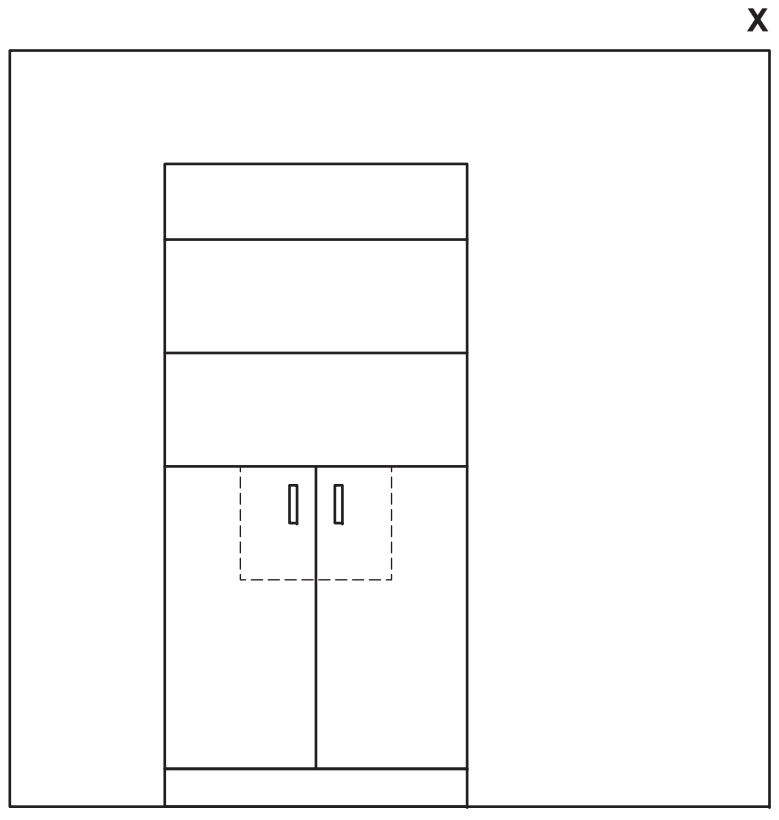
Do not show hidden detail. **(13 marks)**



Plan



End Elevation



Elevation

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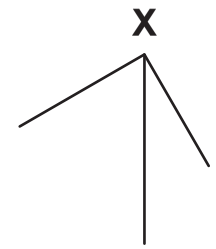
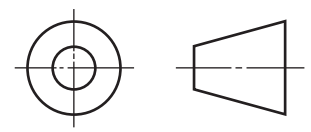


Planometric

8



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Candidate's Name _____

9

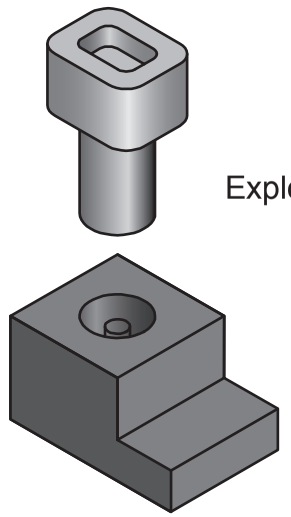
The elevation and end elevation of a battery charger and battery are given.

An exploded pictorial view is shown opposite.

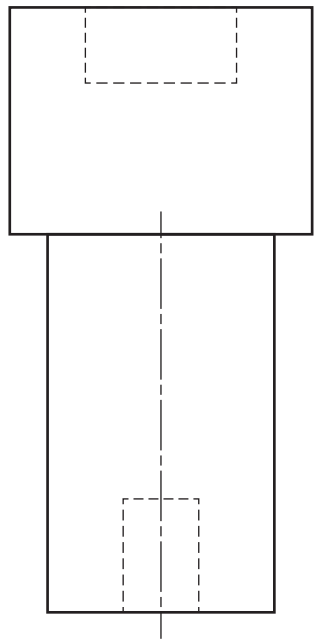
Draw, full size in the position indicated:

(*a*) the **assembled** elevation;
Show all hidden detail.

(*b*) the **assembled** sectional end elevation on **A-A**.
Do not show hidden detail. **(14 marks)**

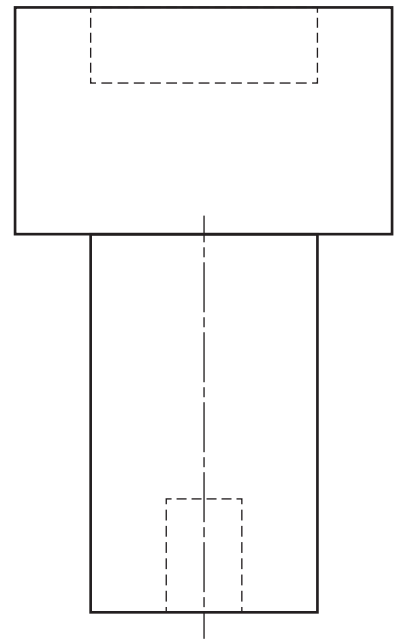


Exploded Pictorial View



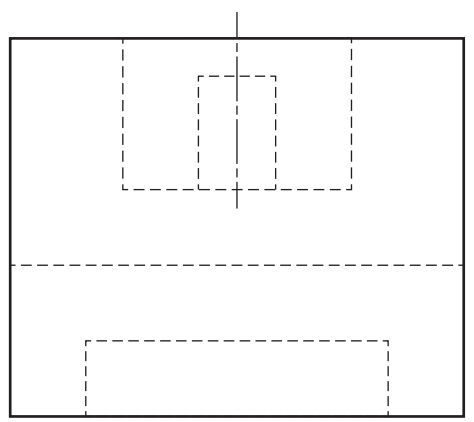
End Elevation

Battery



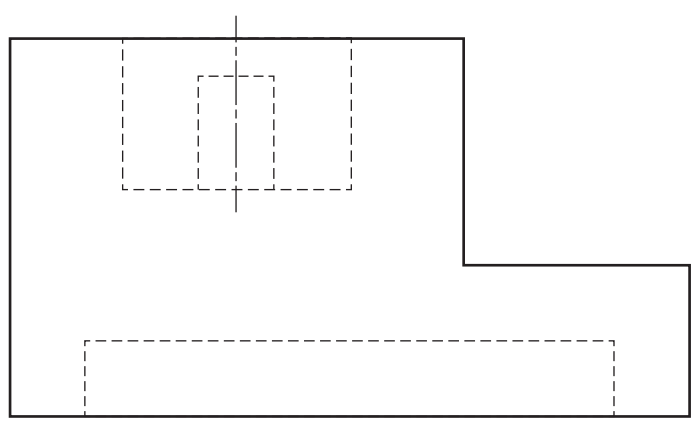
Elevation

Scale 1:1



End Elevation

Charger



Elevation

Sectional End Elevation A - A

Elevation

a	
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[END OF QUESTION PAPER]

Candidate's Name _____