



**[BLANK PAGE]**

*A supplementary page is included at the end of Section A for use if extra space is required.*

Marks

1. Preliminary, Production and Promotional graphics are used extensively in the consumer, construction and engineering industries.

(b) On the drawings below, sketch the British Standard convention that represents:

Marks

- (i) a roller bearing;

2

Explain the purpose of each **type** of graphic and give **one** example of each.

Preliminary Purpose .....

..... 1

Example ..... 1

Production Purpose .....

..... 1

Example ..... 1

Promotional Purpose .....

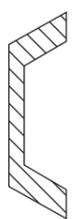
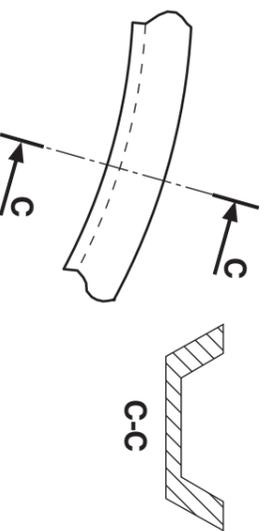
..... 1

Example ..... 1

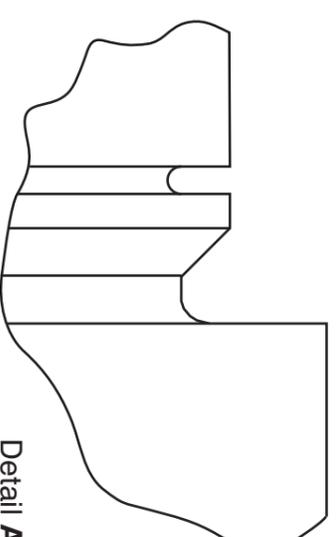
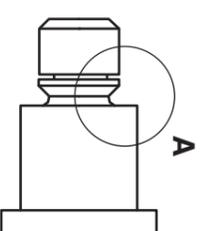
(6)

2. (a) State the British Standard **type** of sectional view indicated at each drawing.

- (c) State the **type of view** indicated at detail **A**.

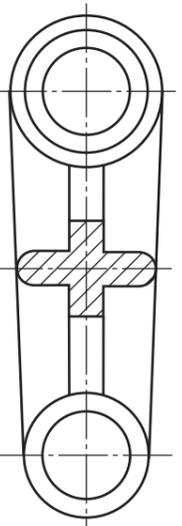


Type of section ..... 1



Detail A scale 5:1

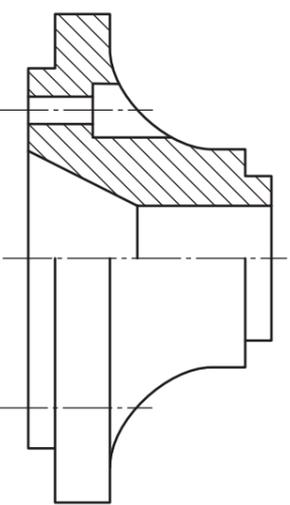
Type of view ..... 2



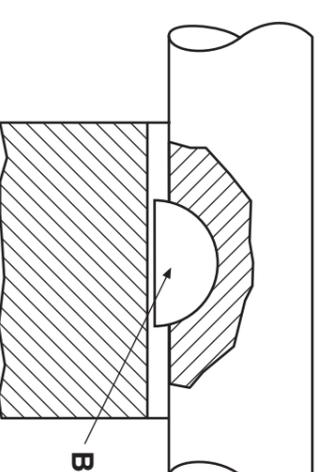
Type of section ..... 1

- (d) State the name of component B, represented by the British Standards convention.

Component B ..... 1



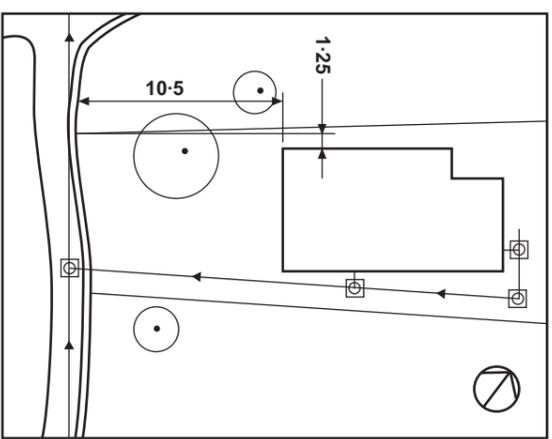
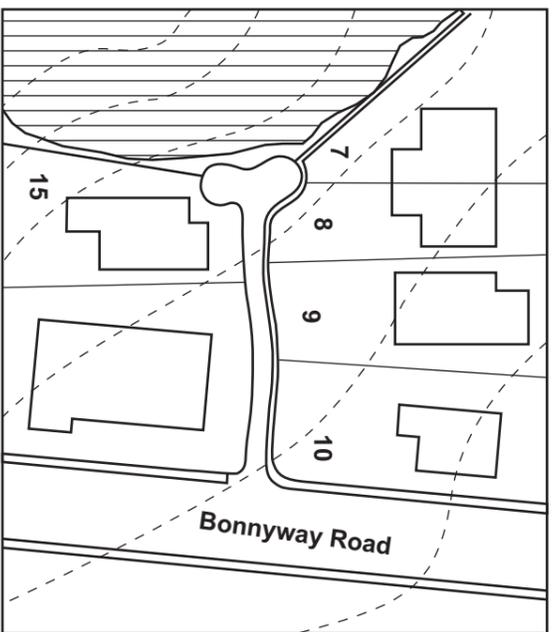
Type of section ..... 1



B

(9)

3.



Marks

Block Plan (not to scale)

Site Plan (not to scale)

(a) For each of the above building plan types, state an appropriate British Standard scale.

*block plan* scale ..... 1

*site plan* scale ..... 1

(b) State **three** features that commonly appear on each of the two types of given plans; (do not use the same feature more than once).

*block plan* feature ..... 1

feature ..... 1

feature ..... 1

*site plan* feature ..... 1

feature ..... 1

feature ..... 1

(8)

4.

There are three stages in designing a Desk Top Published page prior to electronic production.

Complete the information required for stages 2 and 3.

**Stage 1** *Research*

Method: *Investigate target market and function of proposed document.*

Purpose: *To generate a document specification.*

**Stage 2** .....

Method: .....

..... 1

Purpose: .....

..... 1

**Stage 3** .....

Method: .....

..... 1

Purpose: .....

..... 1

(6)

5.

Colour inkjet printers and colour laser printers have different properties.

(a) State **two** advantages that a colour laser printer would have over a colour inkjet printer.

.....

.....

..... 2

(b) State **one** advantage that a colour inkjet printer has over a colour laser printer.

.....

..... 1

(3)



Use this page if extra space is required for answers to Questions 1 to 7.

**Number each answer clearly.**

The elevation and end elevation of a traditional tent, flagpole and flag are shown. Draw a **measured 2-point perspective** view of the tent, flagpole and flag.

The spectator point (SP), perpendicular plane (PP), ground level (GL), eye level (EL) and plan are given.

**Do not show hidden detail.** (15 marks)

Candidates may find Question 8b helpful for details of the ventilator.

Section B

EL

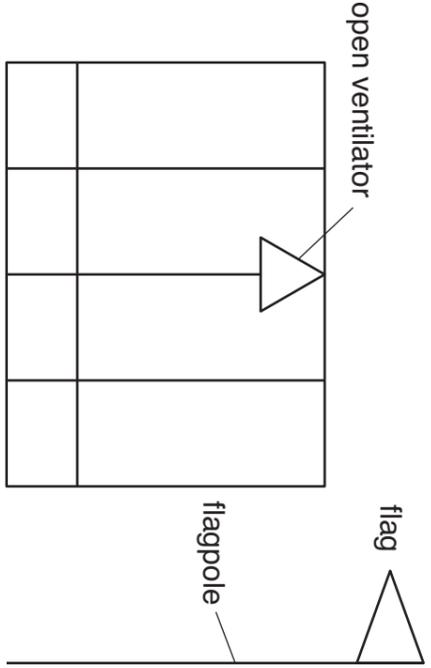
.....

GL

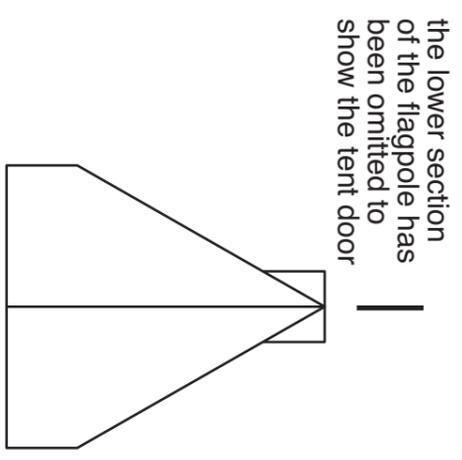
.....

PP

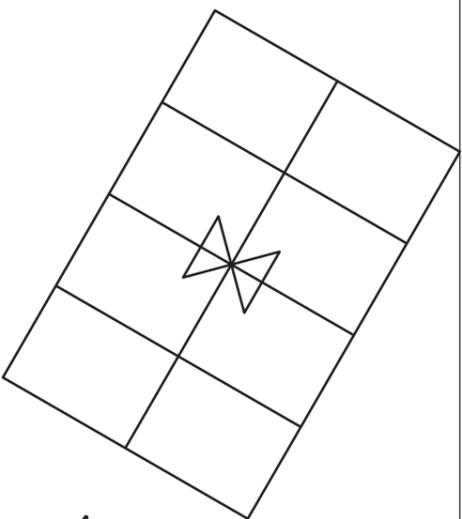
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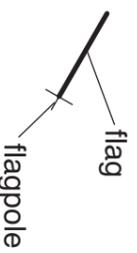
ELEVATION



END ELEVATION

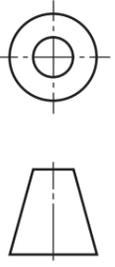


PLAN



a	
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k	
l	
m	
n	

[X033/301]



Candidate's Name

SP

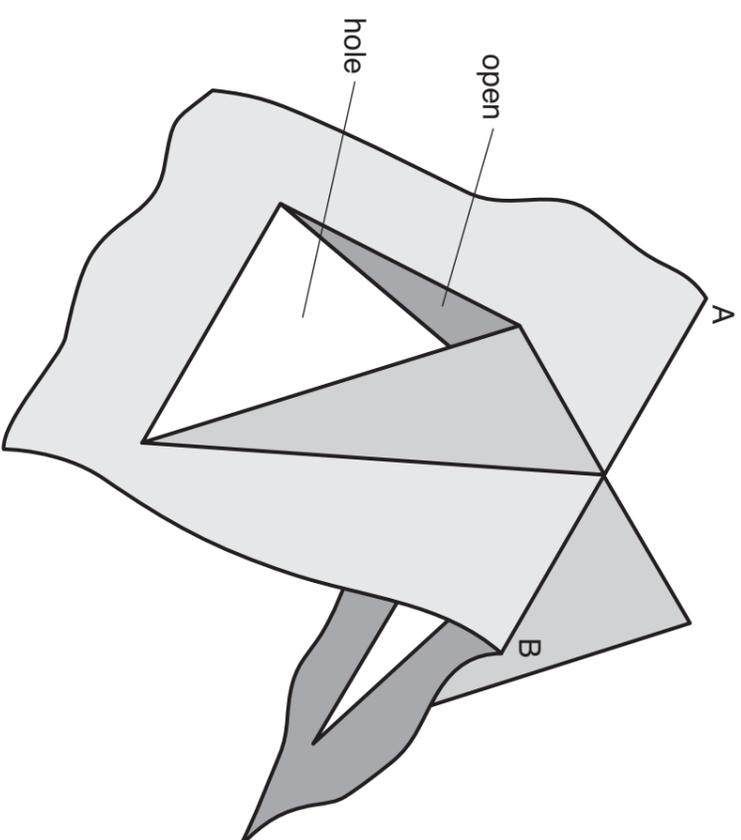
The elevation, end elevation and an isometric sketch as part views of the ventilator in **Question 8a** are given.

Draw an **Auxiliary Plan** of the ventilator from the elevation showing part of the tent from A to B.

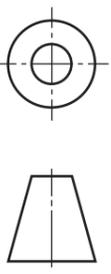
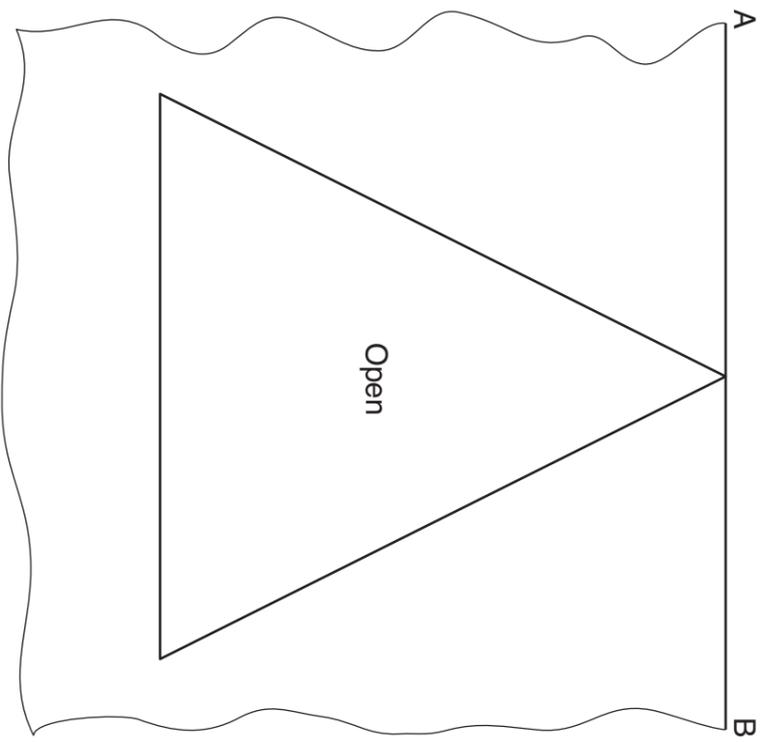
Show hidden detail.

(10 marks)

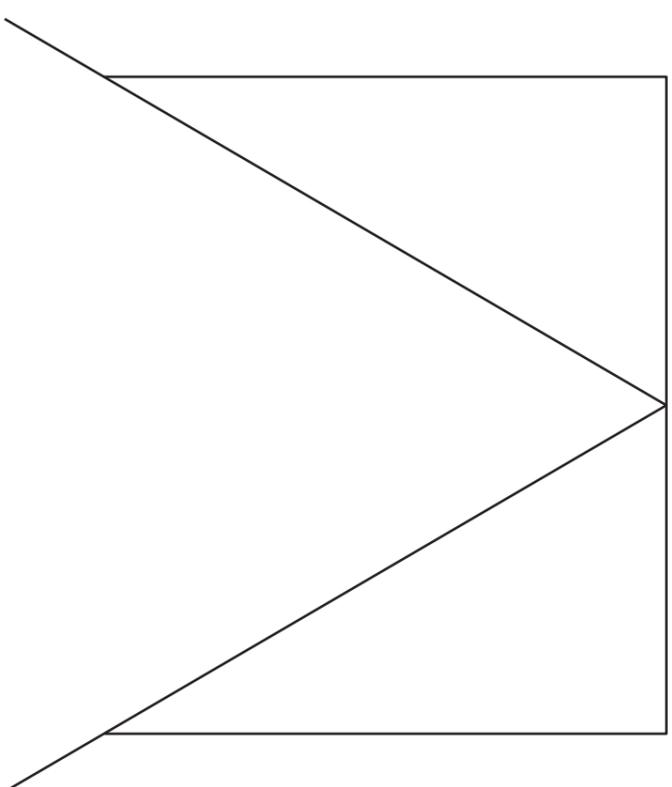
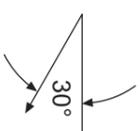
**Section B**



ISOMETRIC SKETCH



END ELEVATION



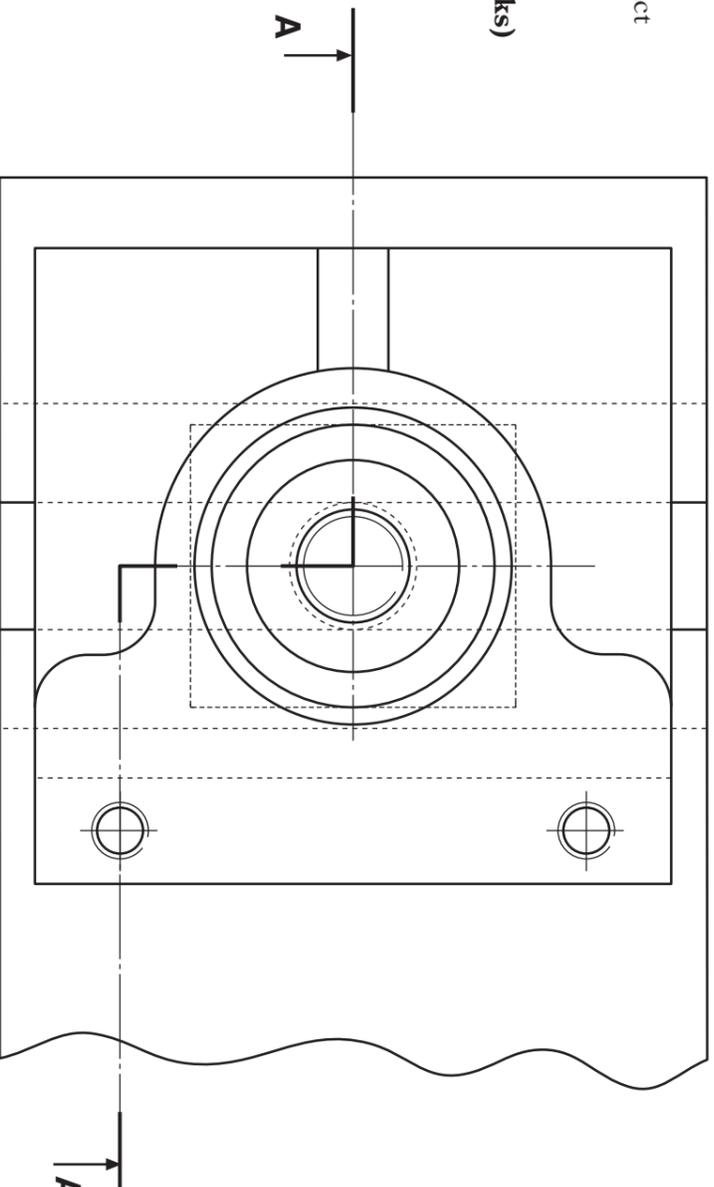
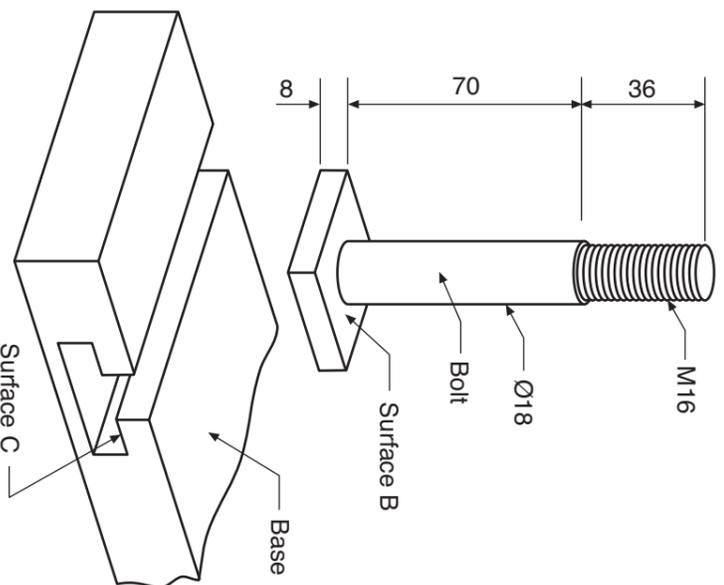
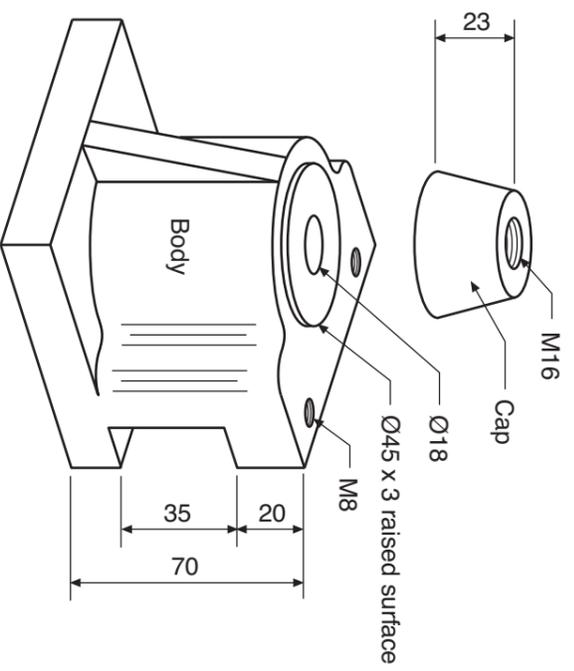
ELEVATION

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An exploded pictorial of the parts of a toolpost is shown. The complete assembled plan, incomplete sectional elevation and incomplete end elevation are given.

- Draw**, full size and in the positions indicated:
- (a) the assembled stepped sectional elevation on **A-A**. **Surface B** and **Surface C** should be in contact with each other. Do not section the bolt.
  - (b) the assembled end elevation.

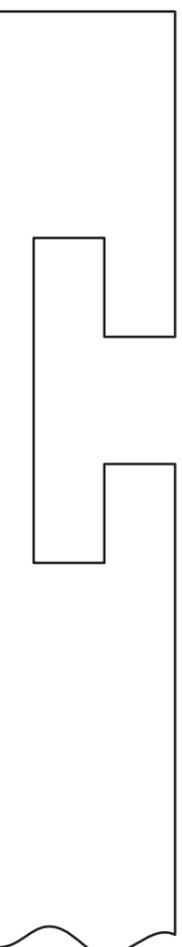
**(25 marks)**



PLAN



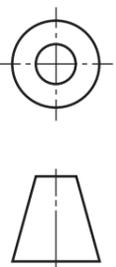
END ELEVATION



STEPPED SECTIONAL ELEVATION ON A-A

a	
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l	
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n	

[X033/3011]



Candidate's Name \_\_\_\_\_

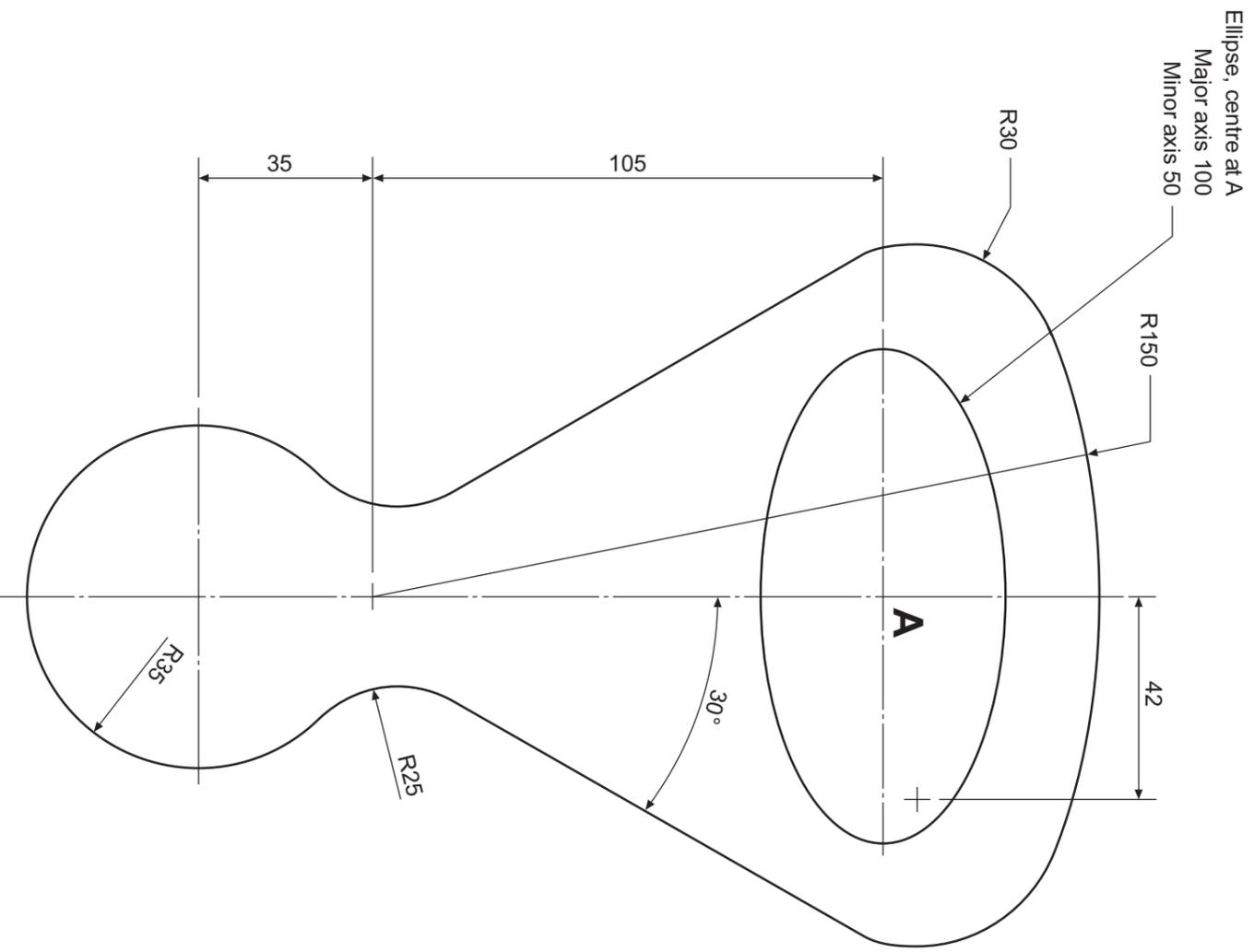
An outline of a dog's play toy is shown.

Draw the outline of the toy on the given start, using the given sizes.

Show clearly the centres and construction used to draw all the arcs.

Do not show dimensions.

(10 marks)



SKETCH OF TOY (NOT TO SCALE)



TOY (SCALE 1:1)

a	
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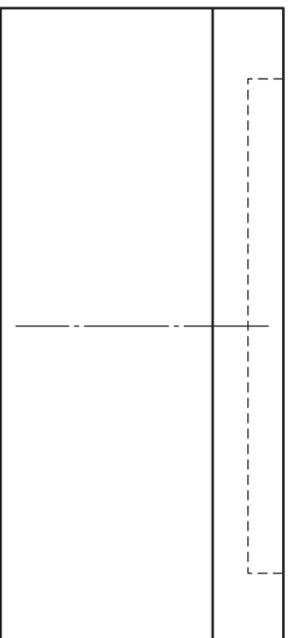
The elevation, section and incomplete plan of a mirror assembly are given.

There are 2 parts to the assembly; a solid body and a removable mirror.

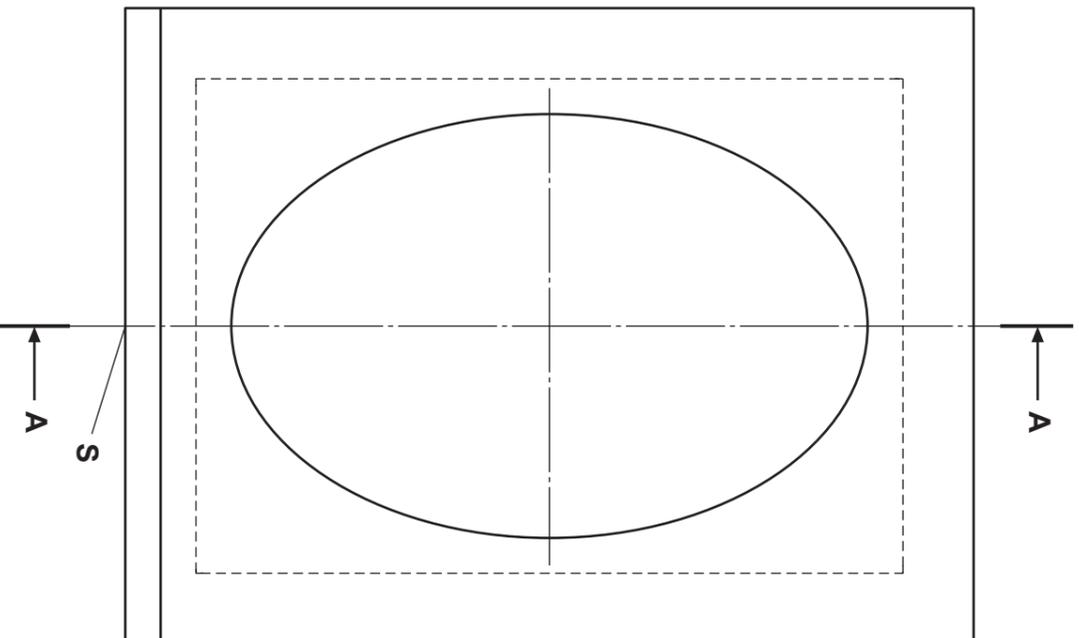
**Draw:**

- (a) the completed plan. **Show hidden detail.**
- (b) an exploded isometric view of Section A-A. Start at **S**. **Do not show hidden detail. Do not show hatching.**

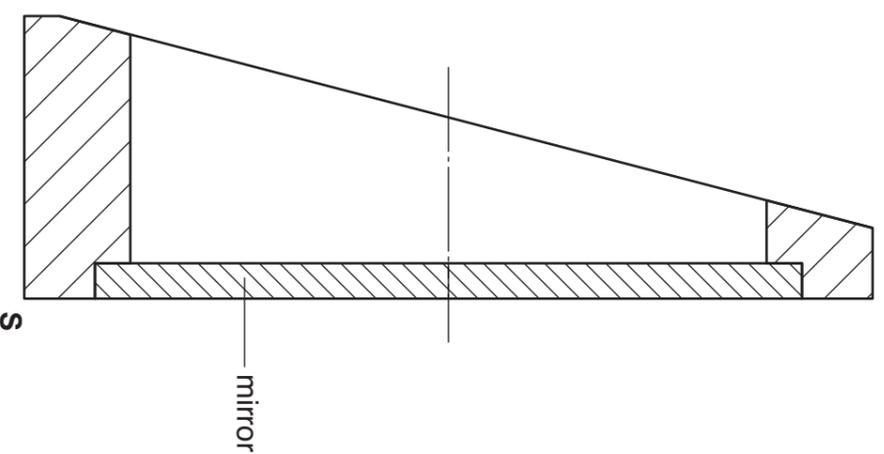
(20 marks)



PLAN



ELEVATION

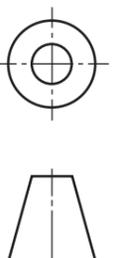


SECTION A-A



EXPLODED ISOMETRIC

[X033/301]



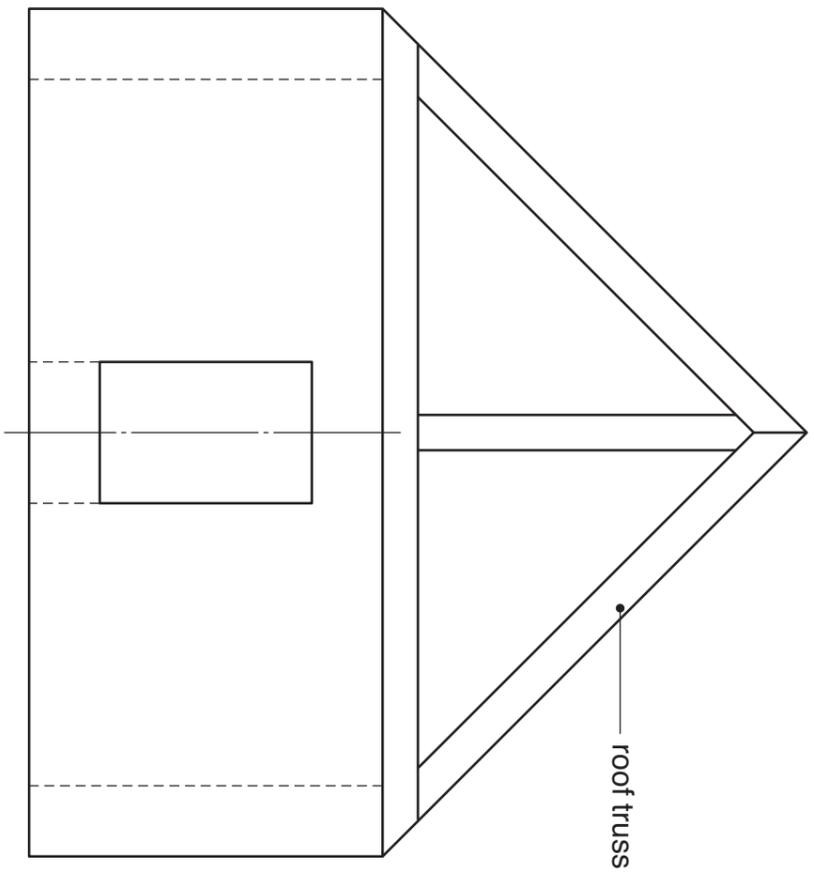
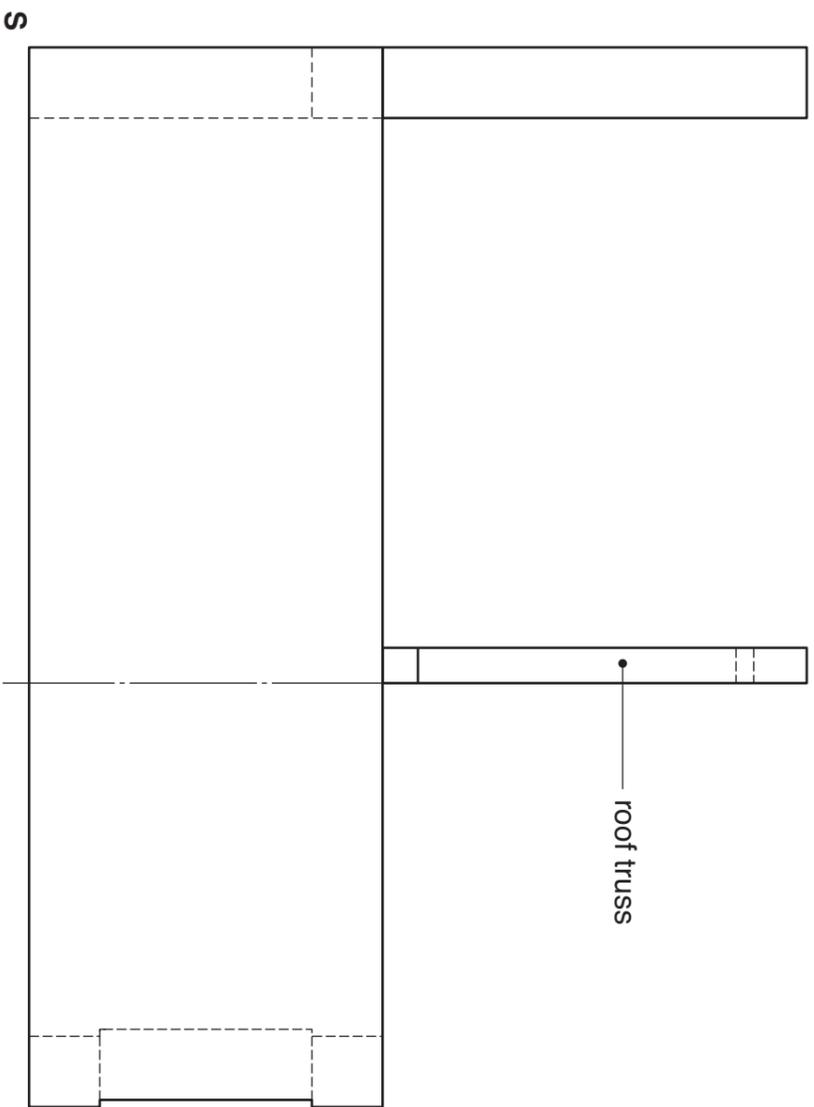
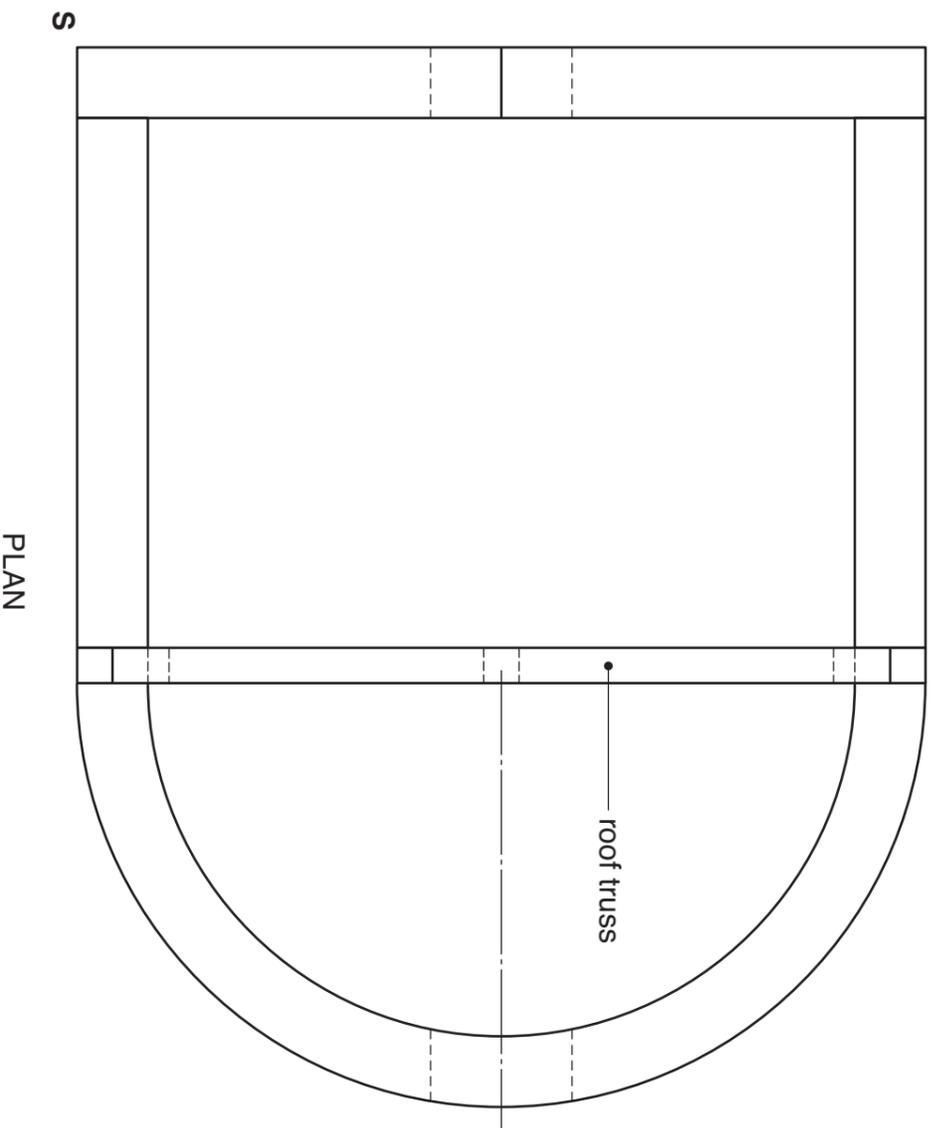
a	
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Section B

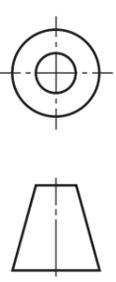
Three views of an old bothy under restoration are shown. There is one roof truss in place. Draw, to the same scale, a Planometric view of the bothy and truss, starting at the given corner, S, on the following page.

Do not show hidden detail. (20 marks)

Draw on the following page (Worksheet for Question 13).



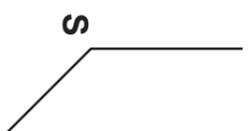
[X033/301]



Candidate's Name \_\_\_\_\_

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**Section B**



PLANOMETRIC VIEW

<i>a</i>	
<i>b</i>	
<i>c</i>	
<i>d</i>	
<i>e</i>	
<i>f</i>	
<i>g</i>	
<i>h</i>	
<i>i</i>	
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