



**FORM 2**

**GRAPHICAL COMMUNICATION**

**TIME: 2hours**

Name: \_\_\_\_\_

Class: \_\_\_\_\_

### Instructions

- Write your name and class on all sheets.
- Attempt **ALL** questions.
- Answer all questions accurately, using instruments, unless otherwise stated.
- All construction lines **MUST** be left on each solution to show the method used.
- Drawing aids may be used.

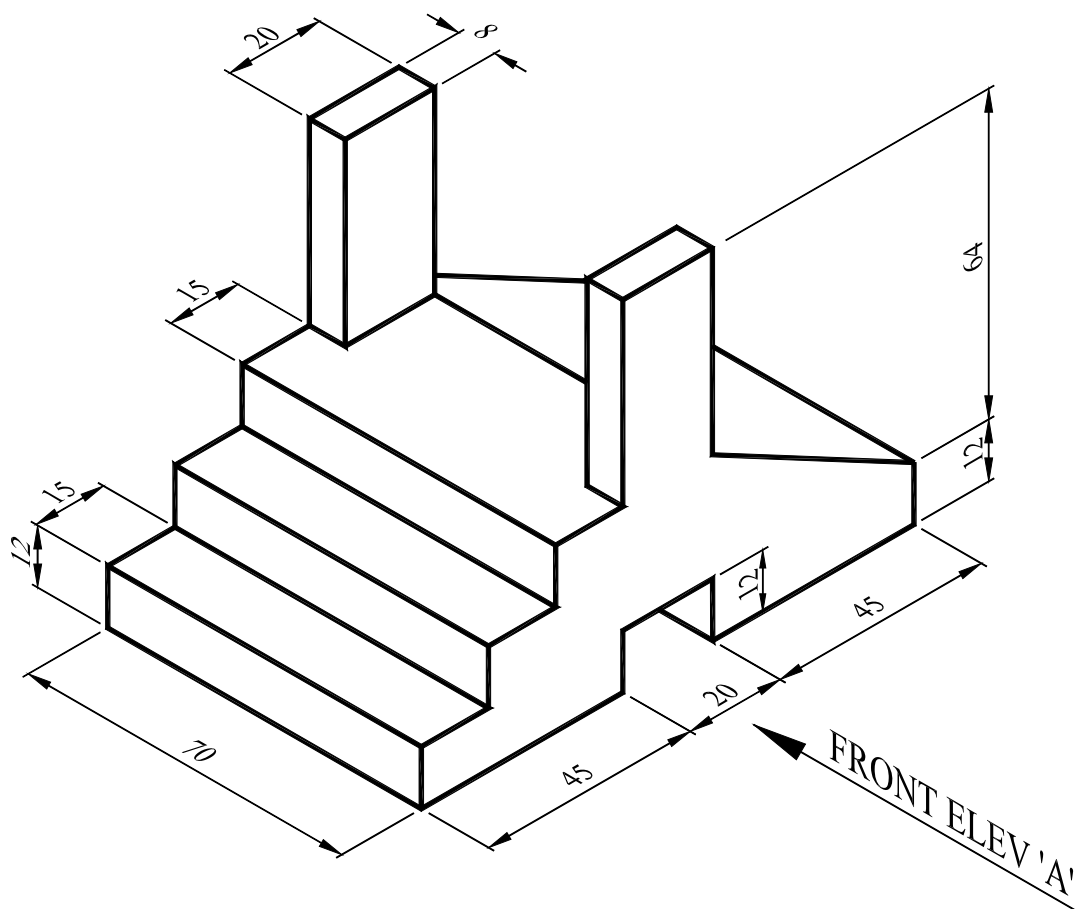
### Information

- All dimensions are in millimetres.
- Estimate any missing dimension.
- Marks will be awarded for accuracy, clarity and construction.

Question	1	2	3	4	5	Total
Max. mark	36	16	18	12	18	100
Mark						

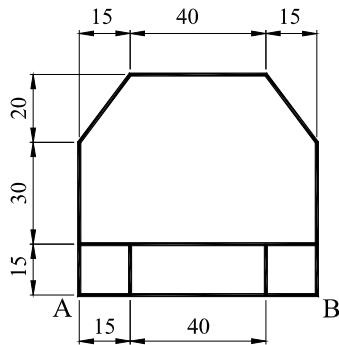
1. The figure below shows a pictorial view of a 'CHILDRENS' SLIDE'.
- Draw full size, in first angle orthographic projection:
- (a) a front elevation as seen from arrow 'A', 14 marks
  - (b) a complete plan. 13 marks
- Show all hidden details.
- Include the following in your drawing:
- (i) the symbol of projection used 2 marks
  - (ii) in the Name Block provided, print in all the missing items:  
Name, Date, Title, Scale, etc. 7 marks

**Total 36 marks**

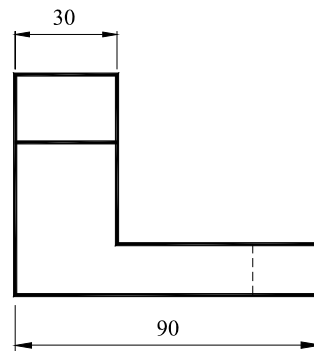


2. Three orthographic views in first angle orthographic projection and an isometric projection of a bracket are shown below. Using the given start lines, draw full size, an **oblique projection** of the bracket, putting face 'A B' in the foreground.

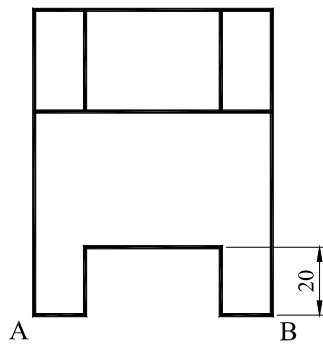
16 marks



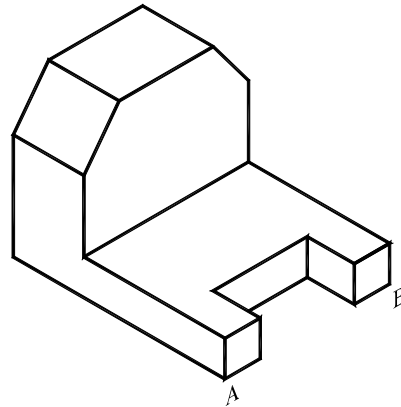
FRONT ELEVATION



END ELEVATION



PLAN



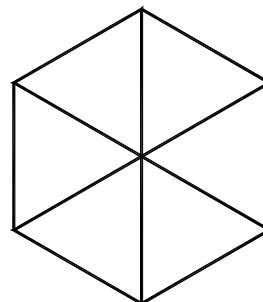
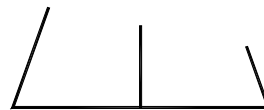
ISOMETRIC VIEW

3. The drawing shows an incomplete front elevation and a plan of a hexagonal pyramid. Draw full size:

- a complete front elevation,
- a one piece development of the whole pyramid. Do not include the base.

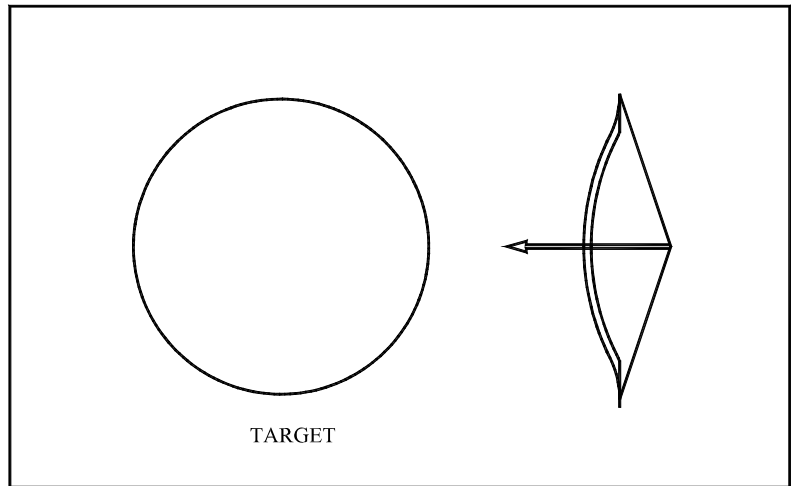
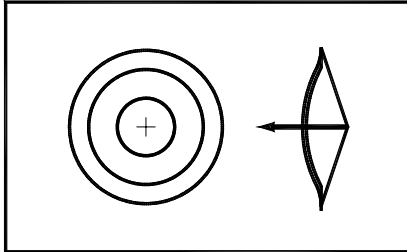
18 marks

VERTICAL HEIGHT OF  
HEXAGONAL PYRAMID: 85



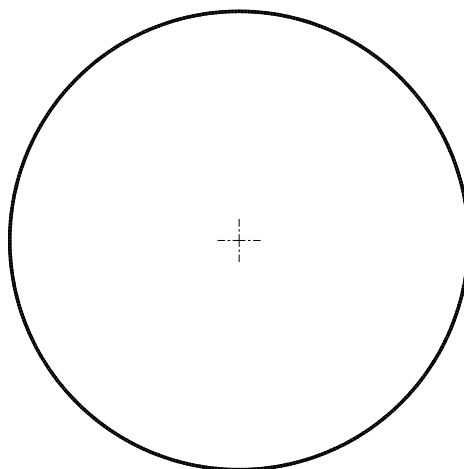
4. The drawing below on the left shows the logo of an archery club.  
 Complete the unfinished logo given on the starter sheet by:
- finding the centre of the target using the necessary construction
  - drawing two concentric circles, having diameters of 30mm and 60mm respectively.

12 marks

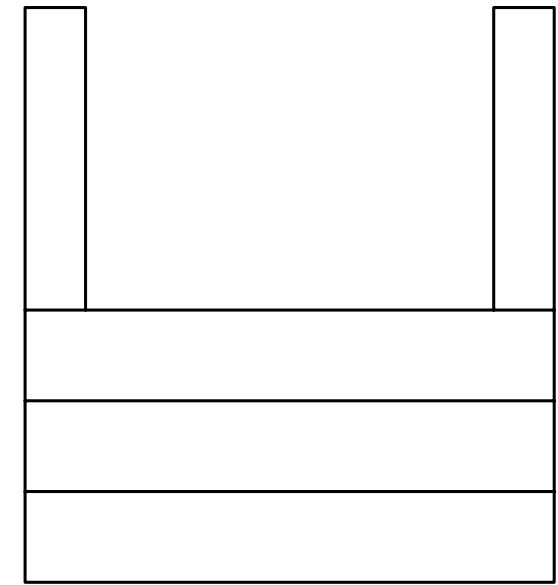
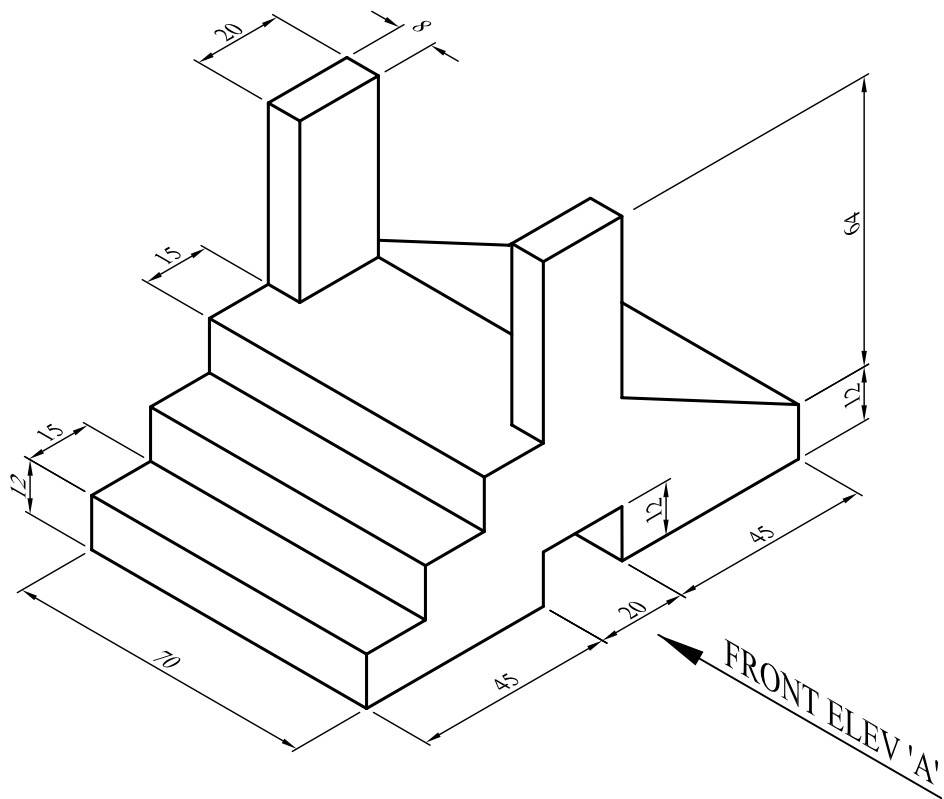


5. A seaside village has a small sandy beach. The local council has decided that fishing will not be permitted any more from the beach area and a prohibition sign shall be fixed nearby. Within the given circle on the starter sheet, draw a **Prohibition Sign** indicating that **fishing is not allowed** (no fishing). Colour your sign according to standard specifications.

18 marks



QUESTION No.1



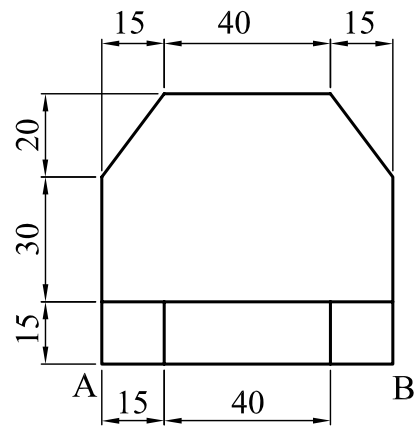
END ELEVATION

NOTE: THE GIVEN PICTORIAL VIEW  
IS NOT DRAWN TO SCALE

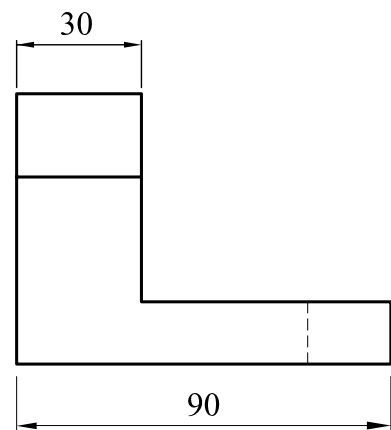
PROJECTION SYMBOL: -----

<p>Track 3 _ FORM 2 _ 2010 GRAPHICAL COMMUNICATION</p>	<p>EDUCATIONAL ASSESSMENT UNIT</p>	<p>NAME OF OBJECT :</p>	<p>NAME:</p>	<p>CLASS:</p>	<p>DATE:</p>	<p>SCALE:</p>
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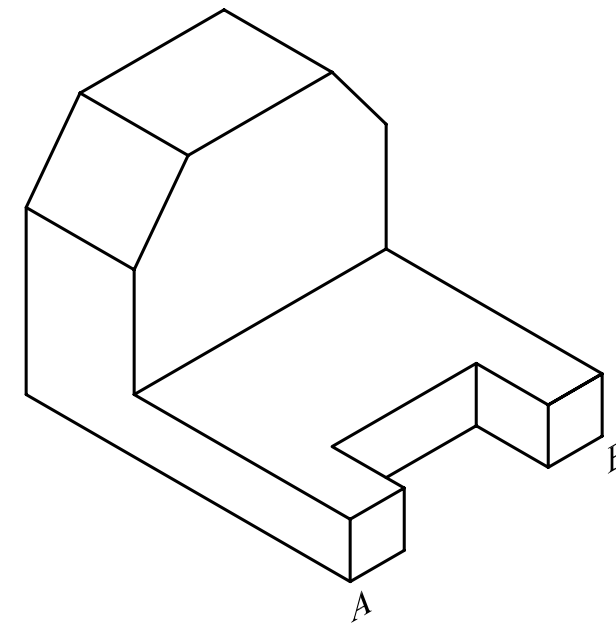
QUESTION No. 2



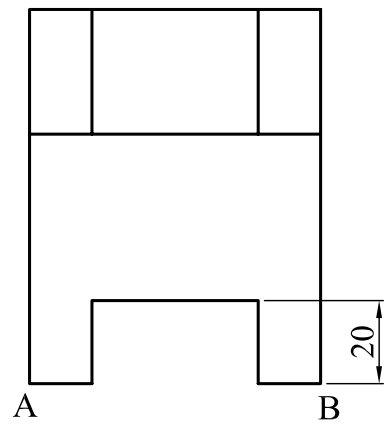
FRONT ELEVATION



END ELEVATION



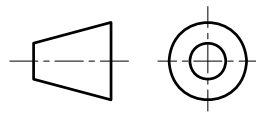
ISOMETRIC VIEW



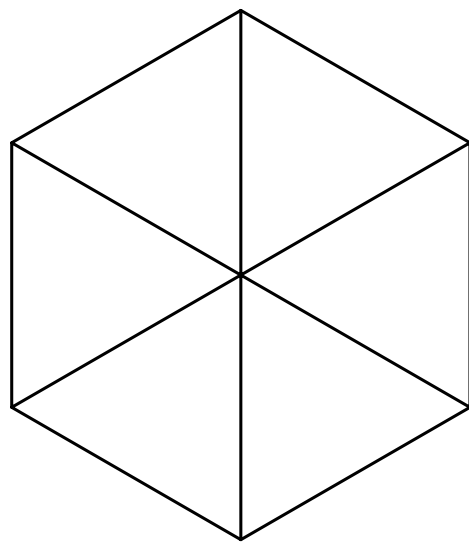
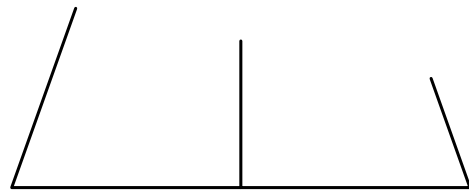
PLAN



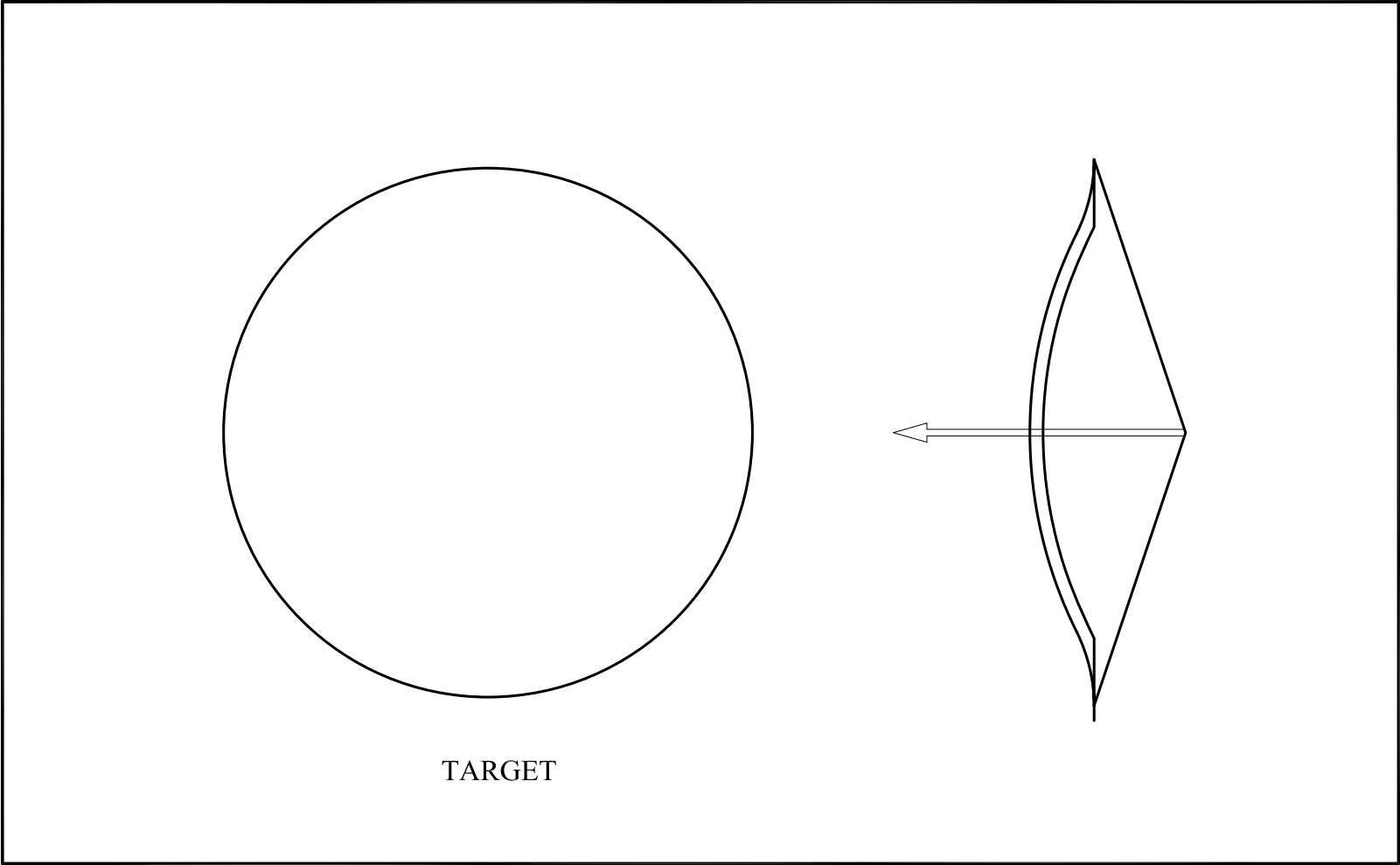
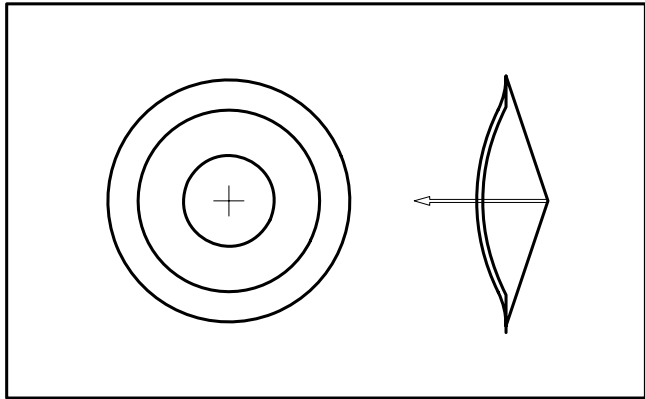
QUESTION No. 3



VERTICAL HEIGHT OF  
HEXAGONAL PYRAMID: 85



QUESTION No. 4



QUESTION No. 5

