JUNIOR LYCEUM and SECONDARY SCHOOL ANNUAL EXAMINATION 2005

Educational Assessment Unit – Education Division

FORM 2	TECHNICAL DESIGN	Time: 2 hours
Instructions		

- Write your name and class on all sheets.
- Attempt ALL questions.
- All answers are to be drawn accurately, with instruments, unless otherwise stated.
- All construction lines MUST be left on each solution to show the method employed.
- Drawing aids may be used.
- You are required to use one side of your paper for question number 2 only.

Information

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

NAME :	CLASS:
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Question	1	2	3	4	5
Max. mark	10	38	16	18	18
Mark					

Question 1

Draw a borderline and a title (name) block on one side of your drawing paper. In the appropriate spaces print in freehand simple block letters:

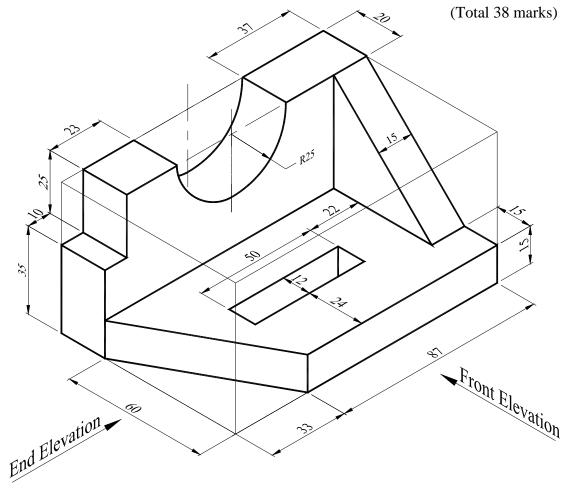
- (a) Your surname and name.
- (b) Your class.
- (c) Date.
- (d) Annual Examination.
- (e) In the middle spaces of your title block write down the name of the drawing in question No. TWO i.e. **SUPPORT BRACKET** (10 marks)

Question 2

The figure below shows a **Support Bracket.** To the dimensions given and in either first or third angle projection, draw:

(a)	A front elevation	10 marks
(b)	An end elevation	10 marks
(c)	A complete plan	15 marks
(d)	The symbol of the projection used.	3 marks

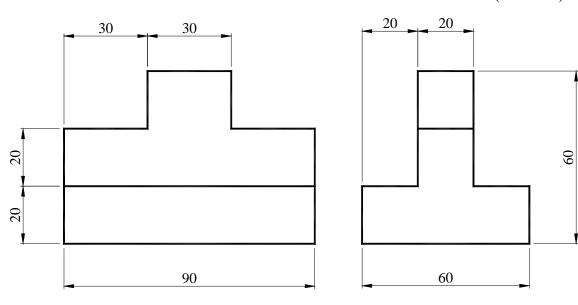
Note: Insert all hidden details.



Question 3

The figure shows a solid component in first angle projection. Draw the component in **Isometric** view.

(16 marks)

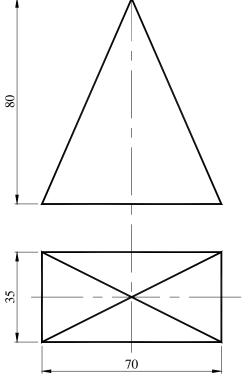


Question 4

The figure below shows the Elevation and plan views of a rectangular pyramid.

- (a) Copy the two given views
- (b) Draw the development of the pyramid.

(18 marks)



Question 5

The figure below shows a proposed logo for neighborhood watch based or the principle of concentric circles.

- (a) To the given dimensions and using a scale of 1:1, construct the logo.
- (b) Colour or shade your drawing.

(18 marks)

