# JUNIOR LYCEUM and SECONDARY SCHOOL ANNUAL EXAMINATION 2005 

Educational Assessment Unit - Education Division

## FORM 2 <br> TECHNICAL DESIGN <br> 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 : $\qquad$ CLASS : $\qquad$

| Question | 1 | 2 | 3 | 4 | 5 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Max. mark | $\mathbf{1 0}$ | $\mathbf{3 8}$ | $\mathbf{1 6}$ | $\mathbf{1 8}$ | $\mathbf{1 8}$ |
| 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 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)


