**PENANG SANGAM HIGH SCHOOL**
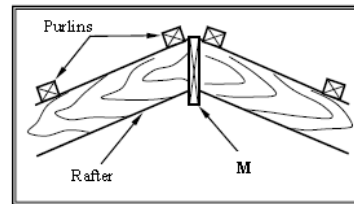
**YEAR 12**

**TECHNICAL DRAWING**

**WORKSHEET – 2**

**MULTIPLE CHOICE QUESTION** (5 marks)

1. In a roof structure shown below, the building part labelled **M** is a

   

   A.  Facia board.
   B.  Barge board.
   C.  Ridge board.
   D.  Weather board.

2. The centre of a curvature of an ellipse is usually located on the:

   A.  Vertex.
   B.  Major axis.
   C.  Minor axis.
   D.  Evolute of an ellipse.

3. A locus of any point located outside a rolling circle and rolls inside a base circle is called

   A.  Epicycloid.
   B.  Hypocycloid.
   C.  Inferior Epitrochoid.
   D.  Superior Hypotrochoid.

4. Which of the following methods would be most appropriate for the surface development of a truncated right pyramid?

   A.  Radial lines.
   B.  Parallel lines.
   C.  Triangulation.
   D.  Oblique planes

5. The centroid of an area which consists of two unequal and adjacently positioned rectangles is located near the

   A.  Large rectangle.
   B.  Small rectangle.
   C.  Corner of the small rectangle.
   D.  Central axis of the two rectangles.

<u>**SHORT ANSWER QUESTIONS**</u>                                                                                   **(15 marks)**
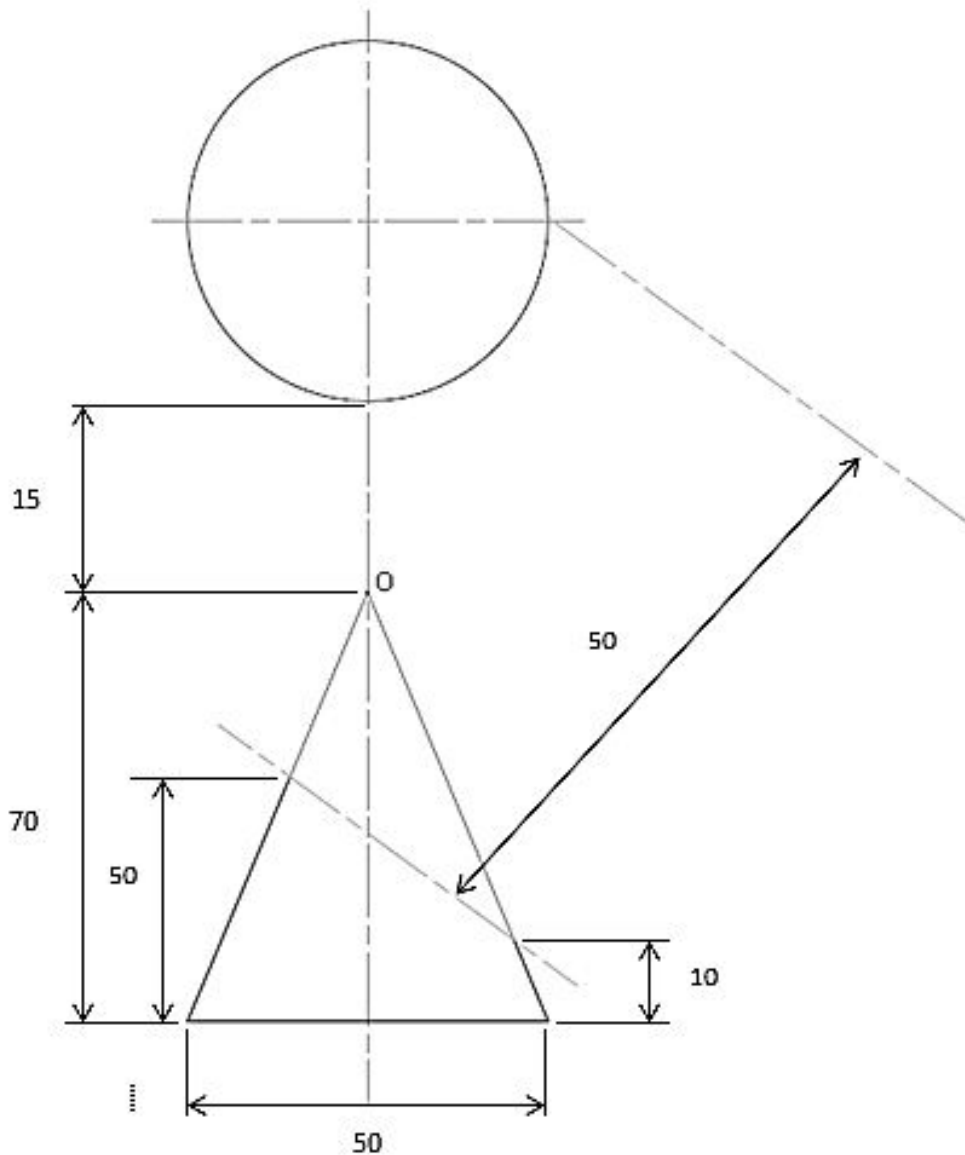
## QUESTION 1

GIVEN:          The Elevation and incomplete Plan of a truncated right cone
                    All measurements are labelled on the shape.

REQUIRED:

         a)  Locate the Vertex, Directrix and the focal point.
         b)  Draw the Focal Sphere.
         c)  Complete the Plan.
         d)  Draw the True shape of the section.
         e)  Name the conic section: _____
         f)  State the Ratio of Eccentricity: _____



**THE END**

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