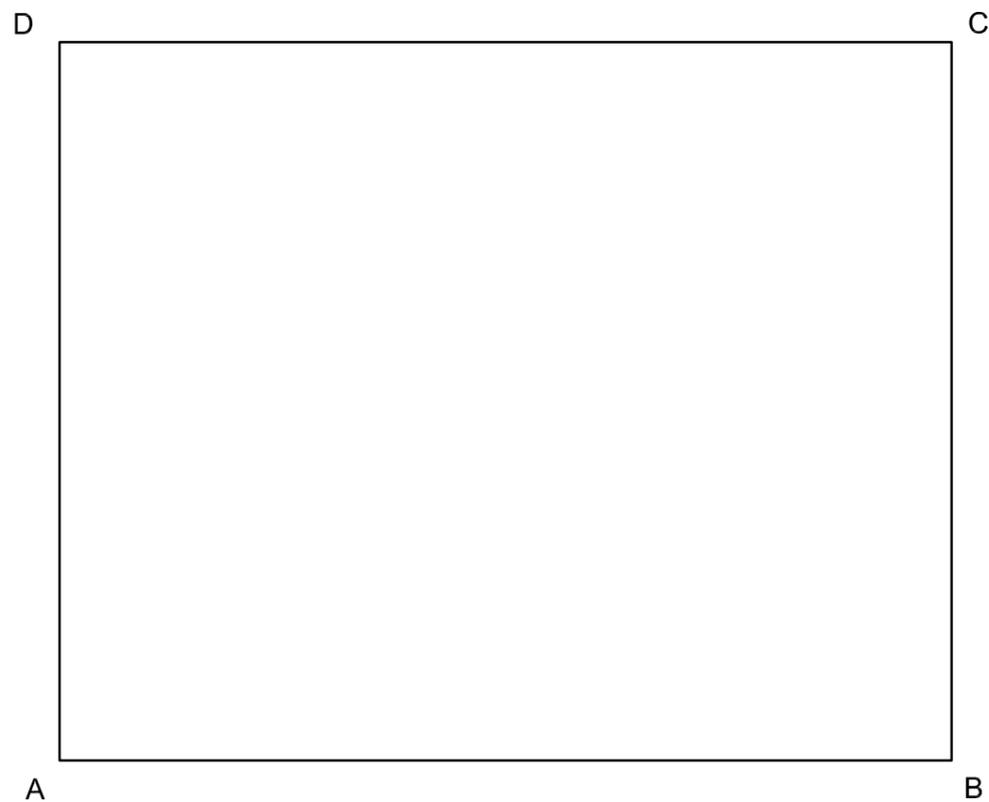
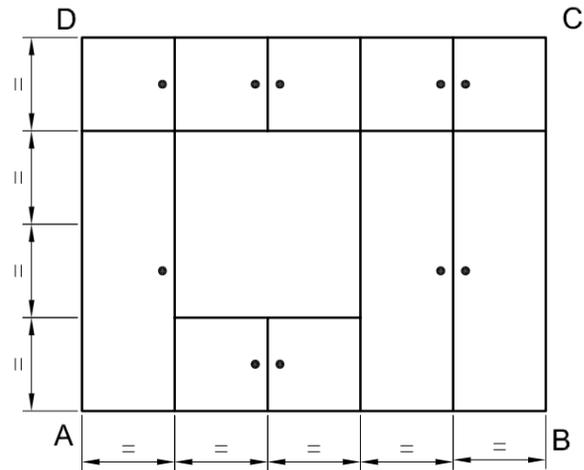


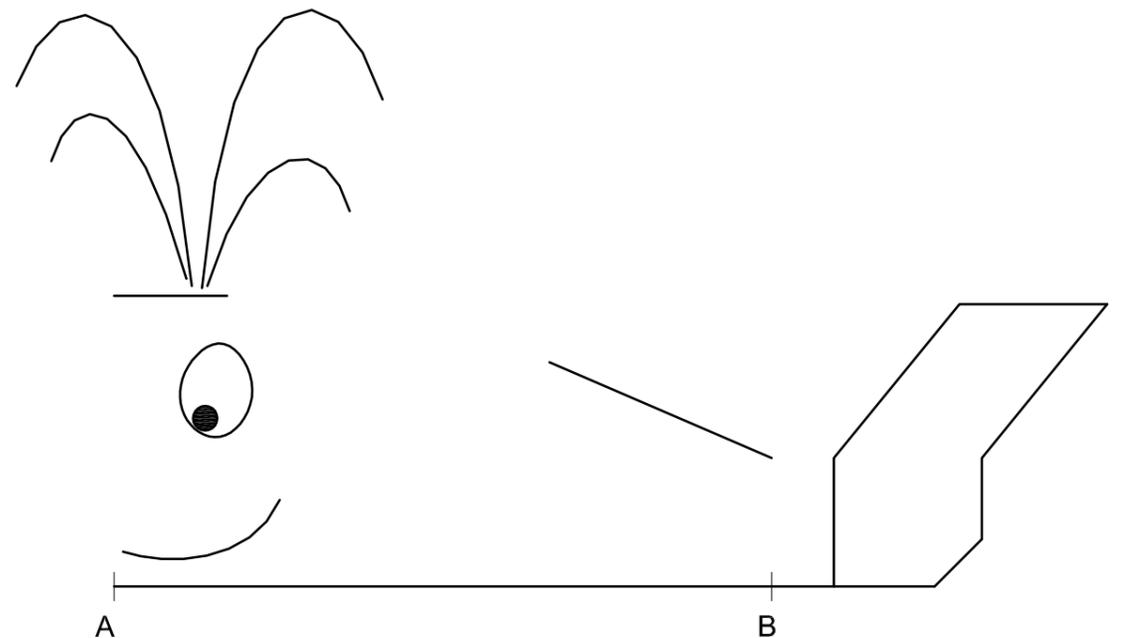
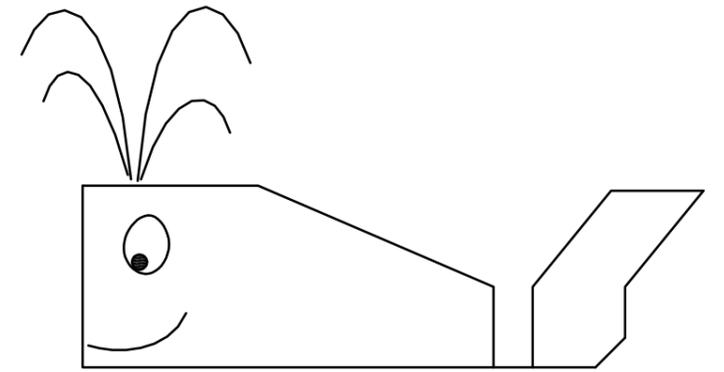
QUESTION No. 1

A large cabinet is shown. **Divide** the given rectangle horizontally into 5 equal parts and **bisect** it vertically into 4 equal parts to complete the cabinet as shown. (14 marks)



QUESTION No. 2

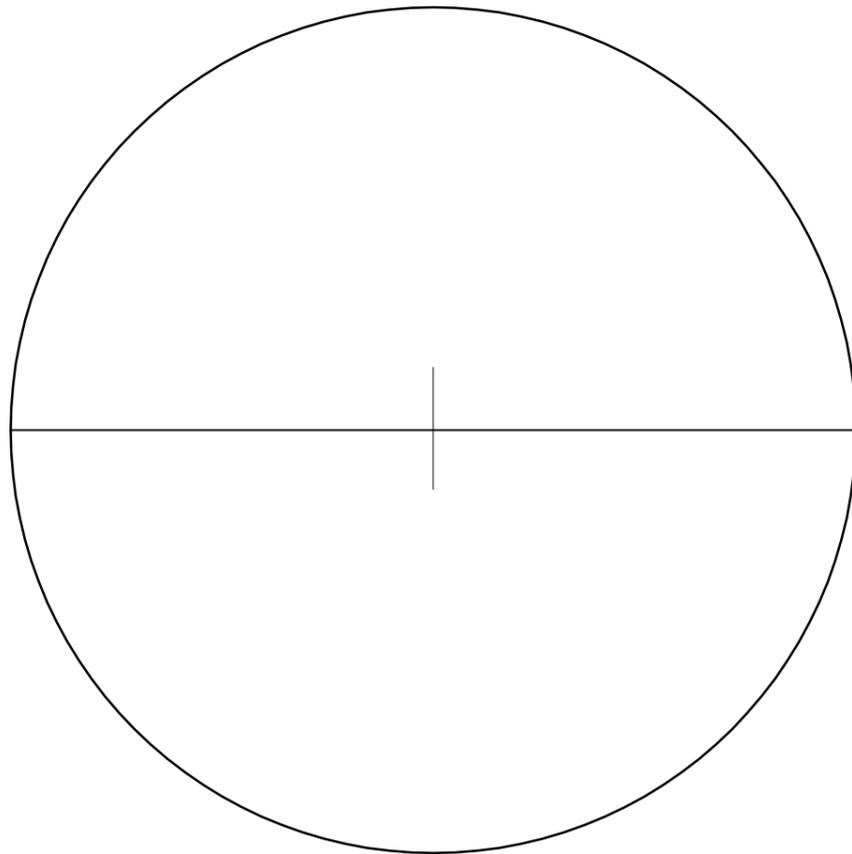
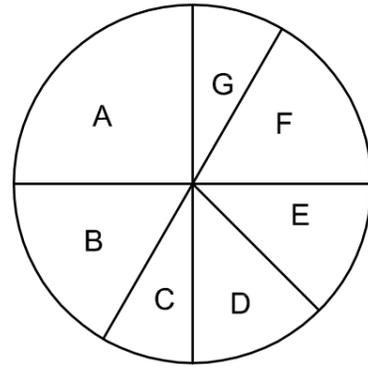
Shown below is a drawing used in a banner at a Sea Conservation Society's premises. Erect **perpendiculars** from points A and B to complete the drawing as shown. (10 marks)



QUESTION No. 3

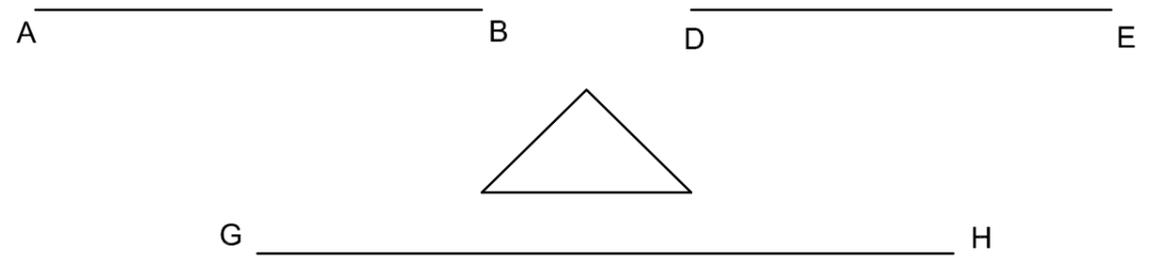
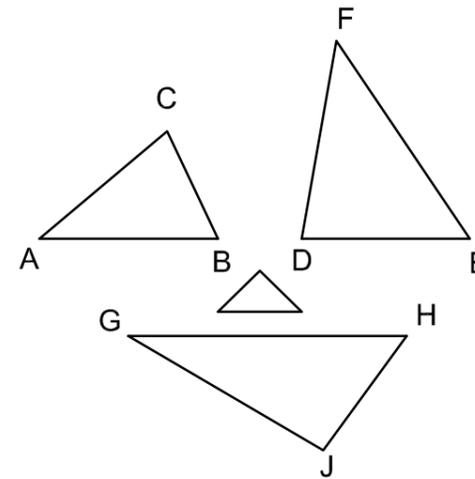
Draw a pie chart representing students' favourite subjects by using the following information. You are required to construct all angles by using **ruler and compass only**.

- A. Graphical Comm. - 18 students - 90°
- B. Physics - 12 students - 60°
- C. Home Economics - 6 students - 30°
- D. English - 9 students - 45°
- E. Maths - 9 students - 45°
- F. Maltese - 12 students - 60°
- G. D & T - 12 students - 60° (10 marks)



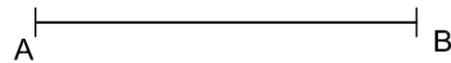
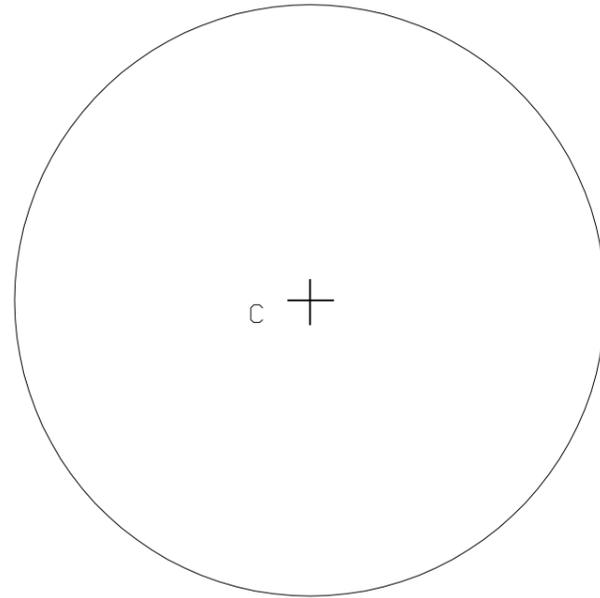
QUESTION No. 4

Construct triangles to form the given Halloween face according to the given information. Side $BC = 42\text{mm}$, angle $CAB = 40^\circ$, altitude of triangle $DEF = 70\text{mm}$, angle $FED = 56^\circ$, side $GJ = 80\text{mm}$ and side $HJ = 50\text{mm}$. (14 marks)



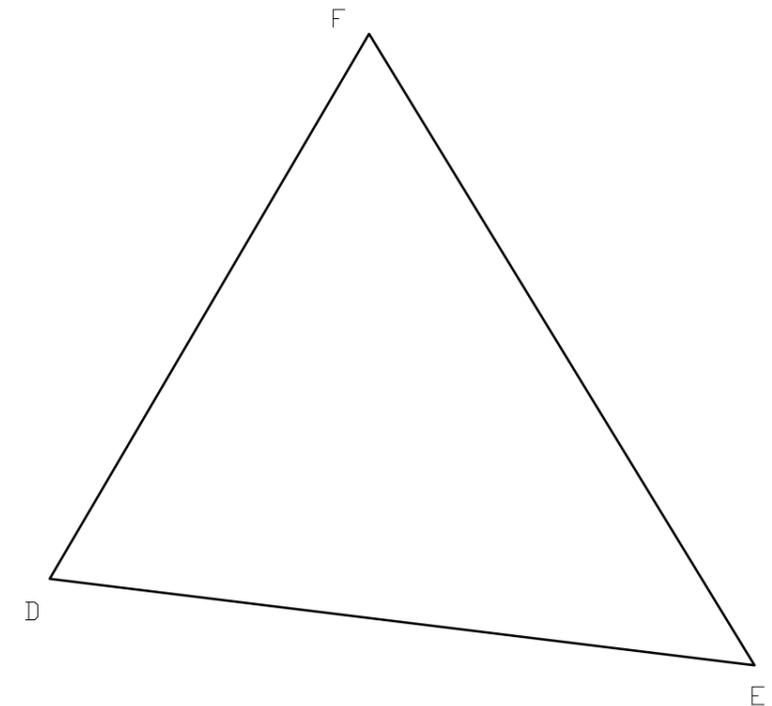
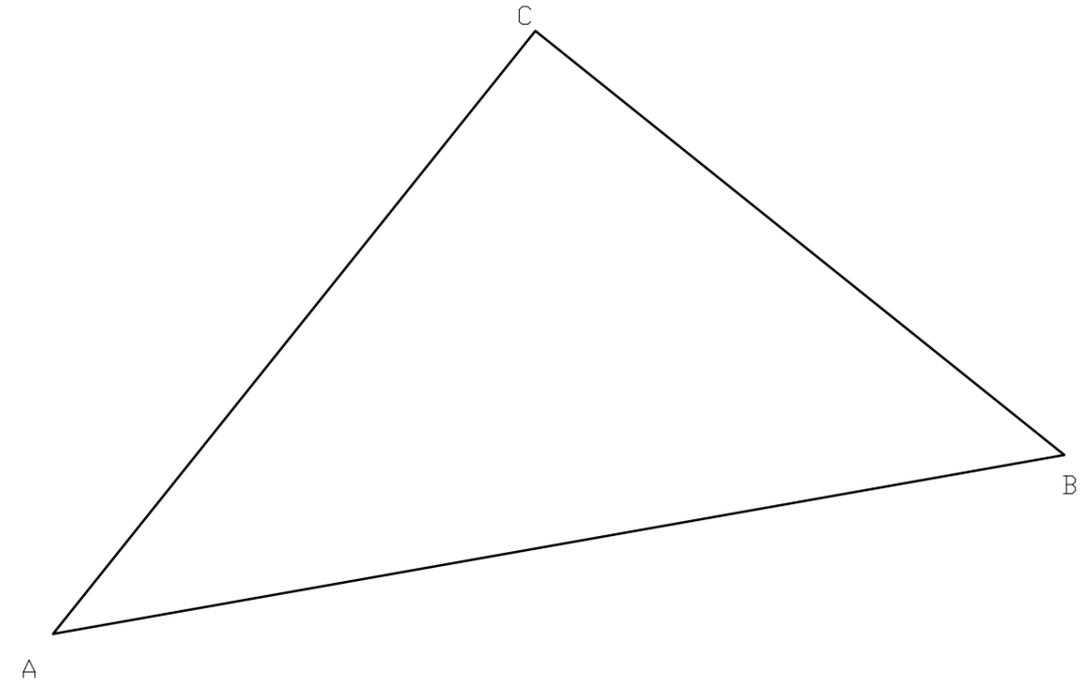
QUESTION No. 5

- a) Construct a heptagon in the given circle with centre C.
 - b) Construct a pentagon by using the given side AB.
- (16 marks)



QUESTION No. 6

- a) Inscribe a circle to triangle ABC.
 - b) Circumscribe a circle to triangle DEF.
- (16 marks)

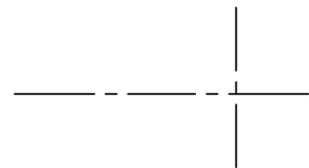
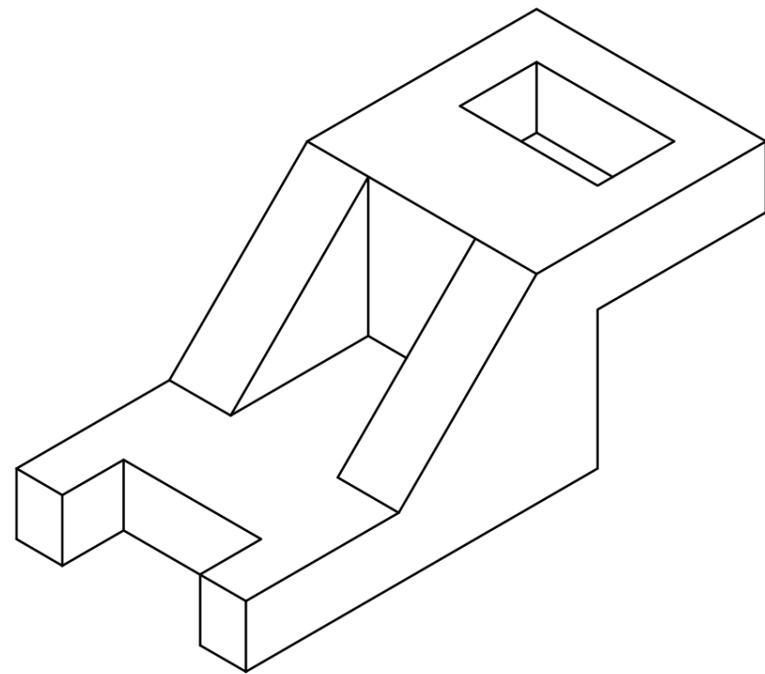


QUESTION No. 7

The figure below shows a pictorial view of a **MACHINED BLOCK**. Two complete views of the block are shown in 1st angle projection.

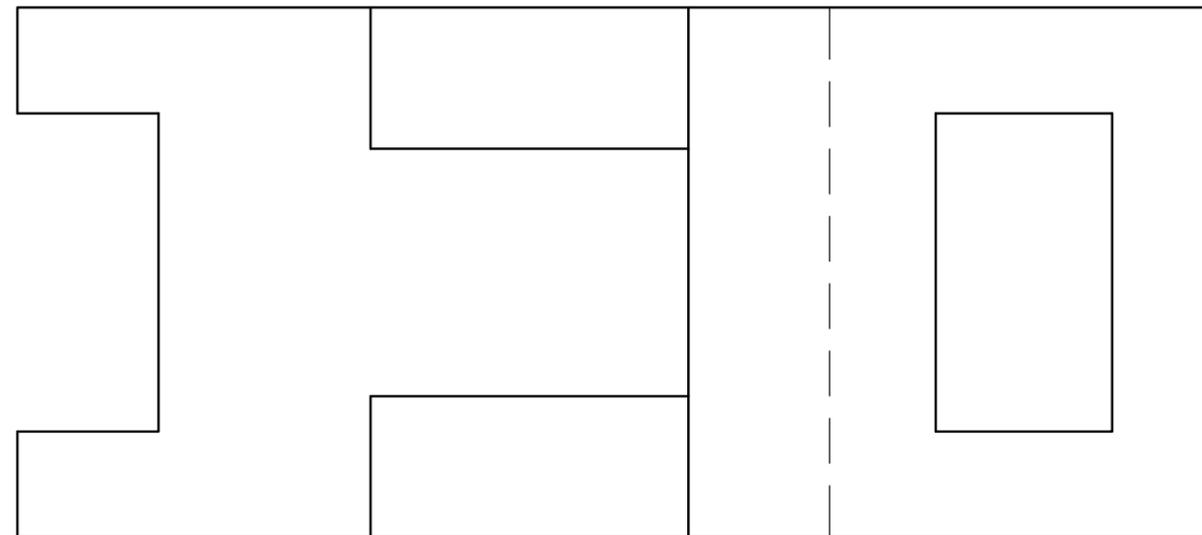
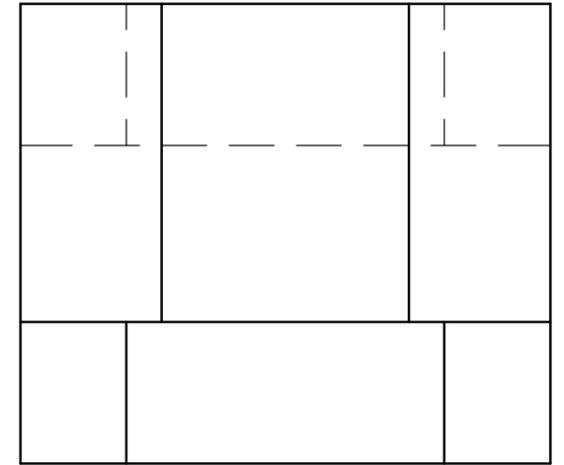
- Project full scale a **FRONT ELEVATION** of the **MACHINED BLOCK**
- Show the **symbol of projection** used
- In the Name Block provided below print in freehand simple block letters the **missing items**
(Any hidden details have to be shown)

(20 marks)

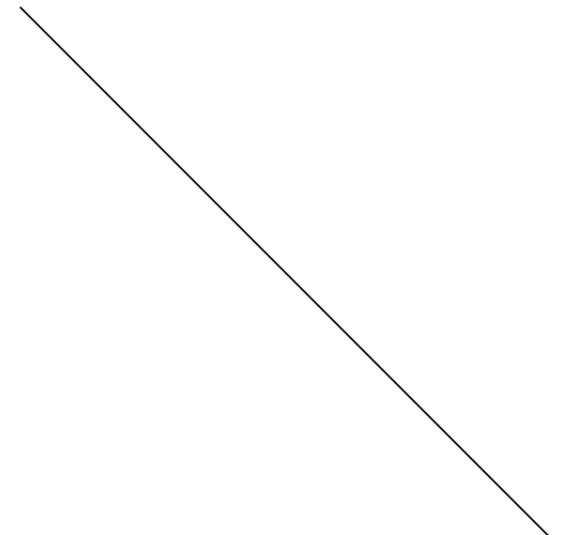


FRONT ELEVATION

END ELEVATION



PLAN



Sheet 4 of 4