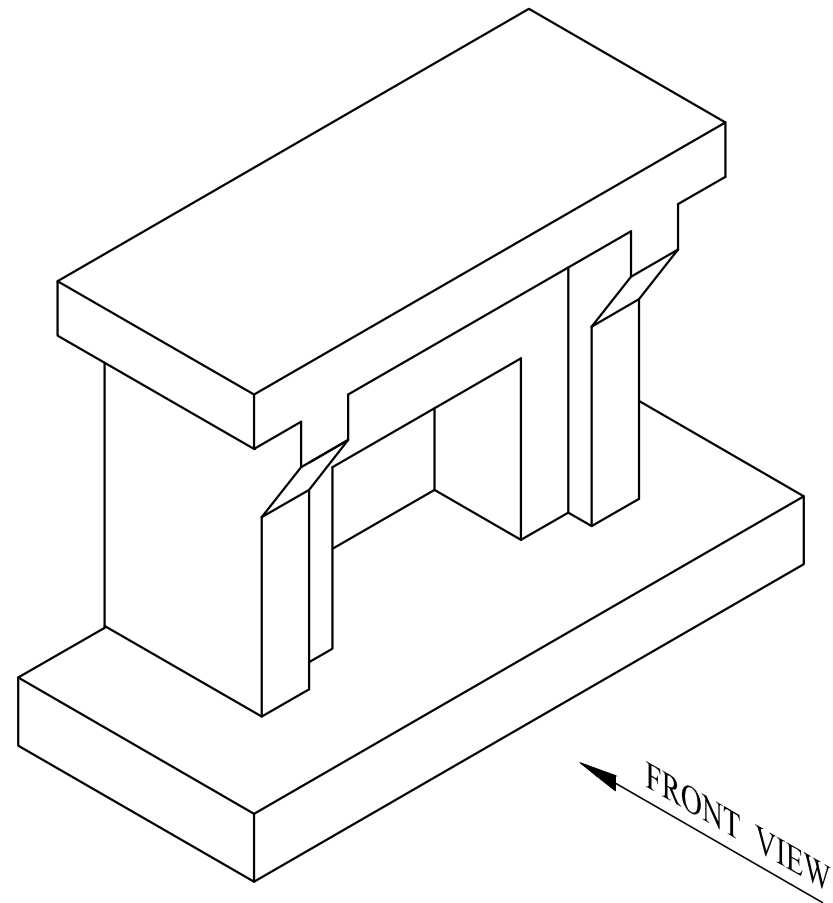
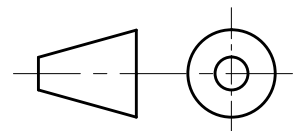


- Question 1. An isometric projection, an end view and a plan of a fireplace are given.
- By projecting lines from the end view and the plan, draw the front view of the fireplace.
  - Label the front view and the plan.
  - Shade the fireplace in colour or pencil as if it was made of stone.

18 marks



ISOMETRIC PROJECTION



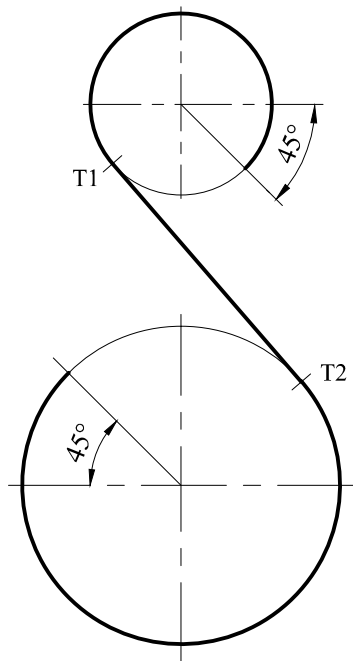
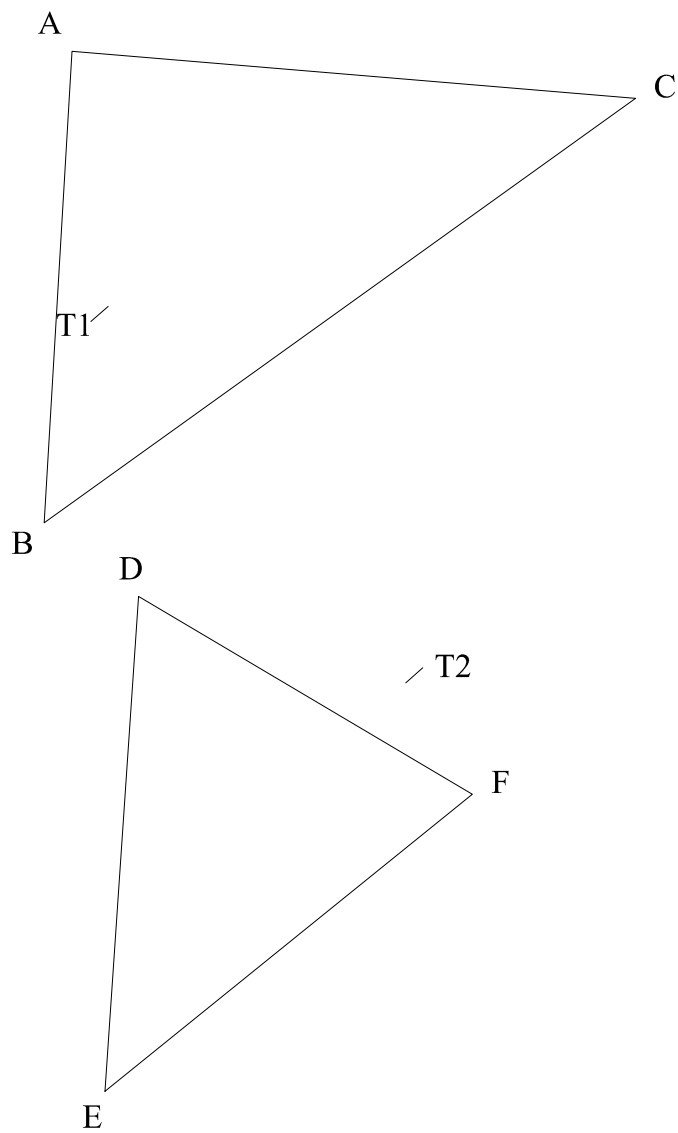
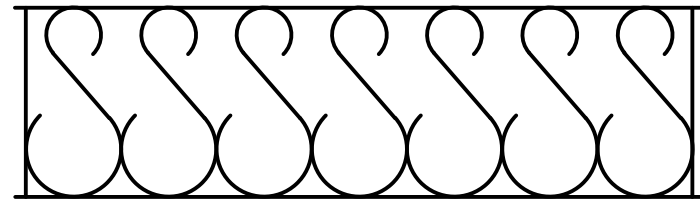
<hr style="border: 0.5px solid black;"/> <hr style="border: 0.5px solid black;"/>		<p><b>END VIEW</b></p>
<hr style="border: 0.5px solid black;"/> <hr style="border: 0.5px solid black;"/>		

Question 2. The drawing given below shows a wrought iron hand-rail.  
 You are required to draw the part of the hand-rail shown at the bottom using the following instructions:

- Inscribe** a faint circle **in** triangle ABC using the necessary construction.
- Circumscribe** a faint circle **around** triangle DEF using the necessary construction.
- Join the two circles by a straight line from T1 to T2.
- Finish off your drawing similar to the one given using bold (dark) lines where necessary.

Note: Leave all construction work.

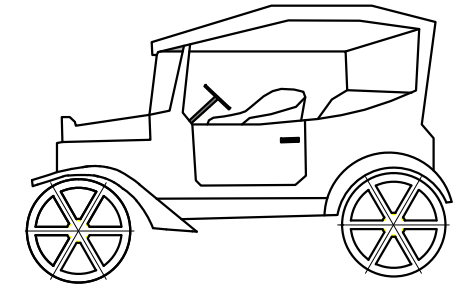
14 marks



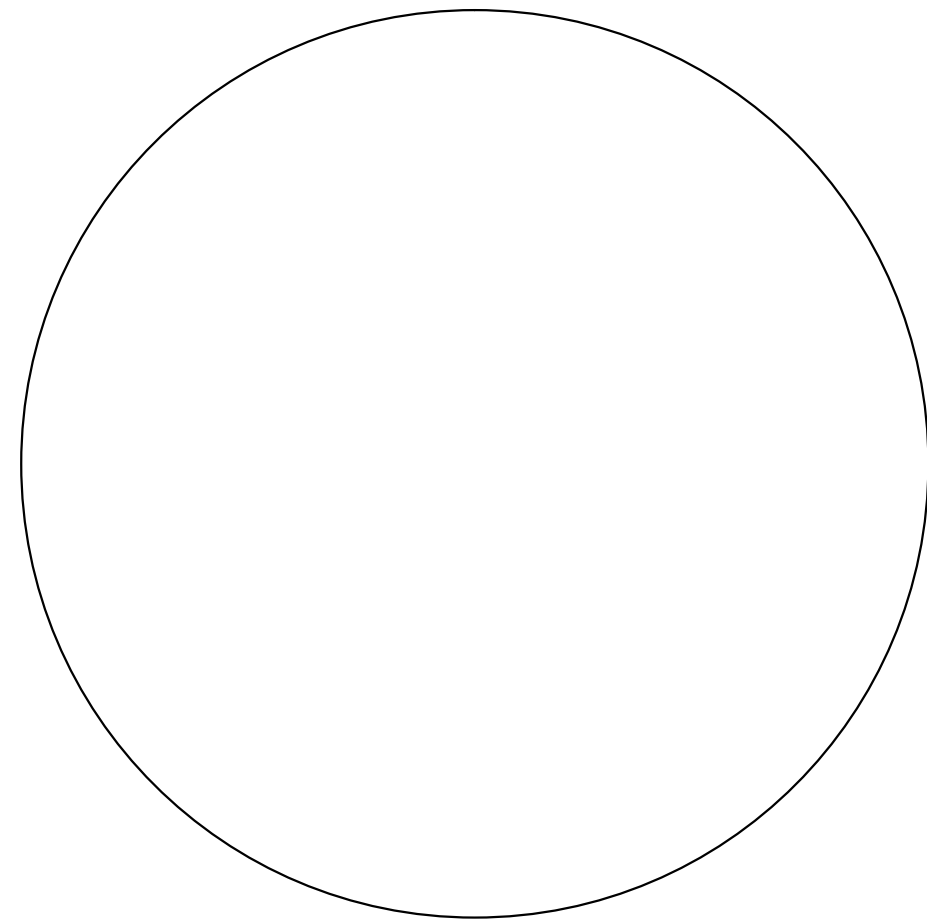
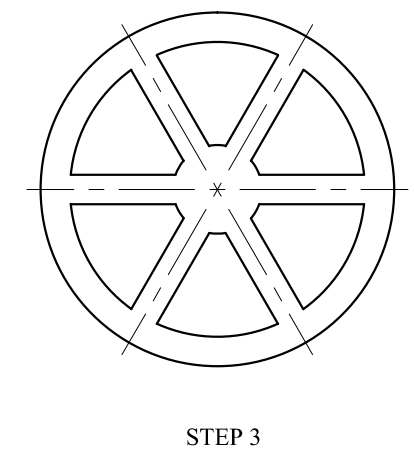
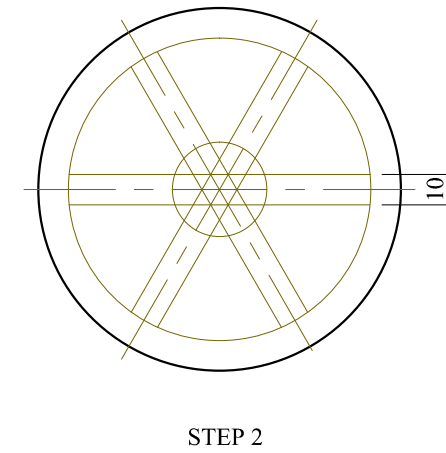
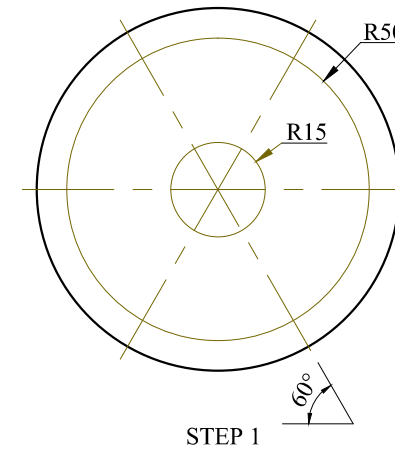
Question 3. The wheels of a very old car shown on the right consist of a solid rim and six spokes which are equally spaced.  
 a) Using the given dimensions, make a similar but larger drawing of one of the wheels.

The outer edge of the wheel is already drawn for you.

- Start by finding the centre of the wheel by construction.
  - Follow steps 1, 2 and 3 to complete the drawing.
- b) Colour the car using coloured pencil.



16 marks



Sheet 2 of 4

Question 4. The front view, end view, plan and an isometric projection of a billboard are shown below.

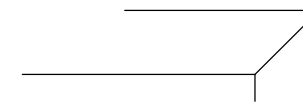
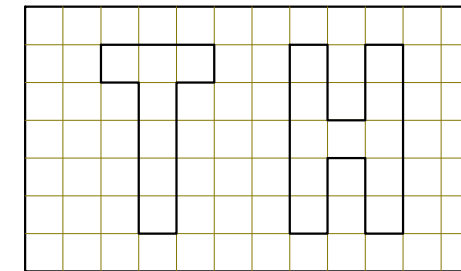
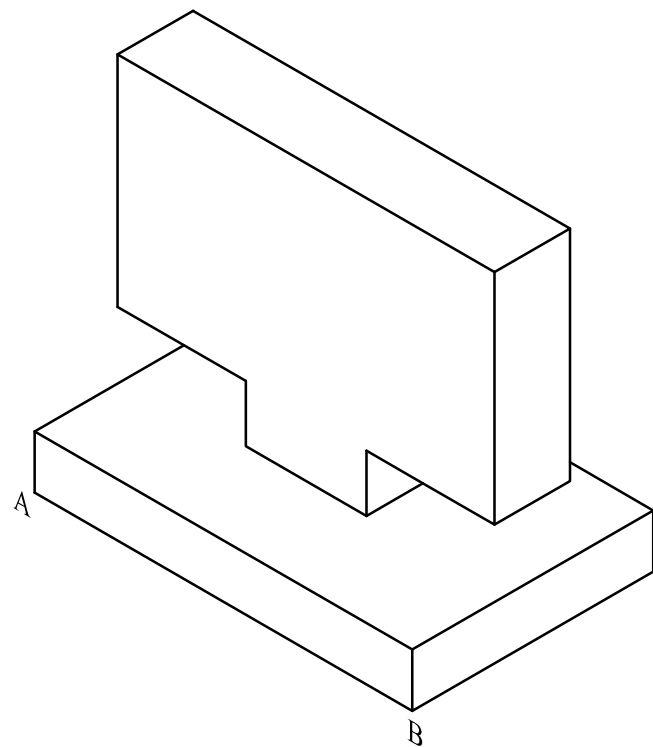
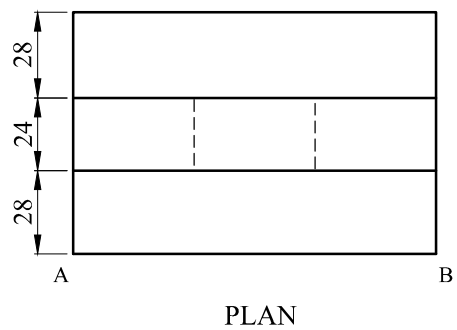
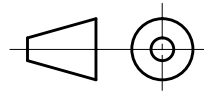
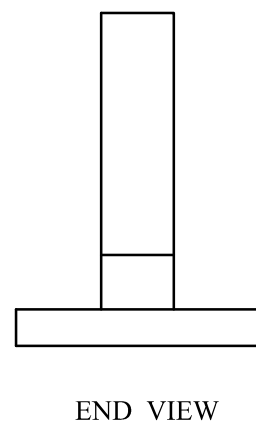
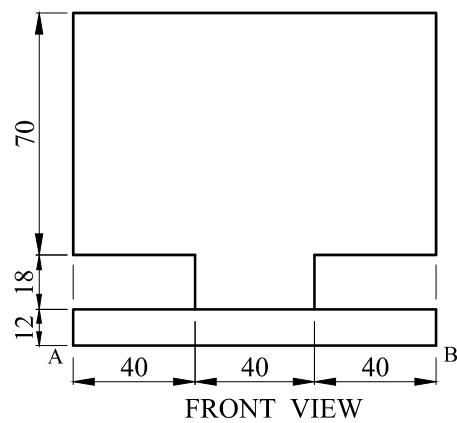
a) Using the given start lines, draw an oblique projection of the billboard using the given dimensions. Start by drawing the crate.

Note: Part of your answer is already drawn.

b) On your billboard draw a grid made up of 10mm squares and draw the letters **T** and **H** as shown at the side to represent a shop selling toys and hobby items. Colour both letters.

Note: The grid must be drawn in faint lines.

18 marks



OBLIQUE PROJECTION

Question 5. a) The **mandatory sign** shown below is fixed at the entrance of a building site which is still under construction.

i) In the space provided, write down the meaning of the sign.

ii) Colour the sign using the appropriate colours for a mandatory sign.

b) Pretty Bay is one of Malta's beaches where barbeques are not permitted on the sand.

The local council needs to allocate signs on the beach to send the above message.

Draw a **prohibition sign** to indicate that barbeques are not allowed.

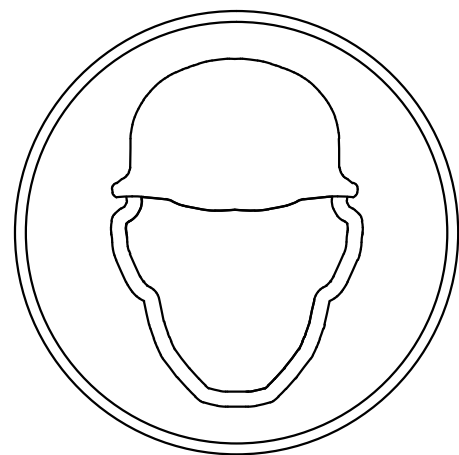
i. Start by drawing freehand sketches to develop this idea.

ii. In the circle provided, make a neat final drawing of the prohibition sign using drawing instruments where required.

iii. Use the appropriate colours for your prohibition sign.

20 marks

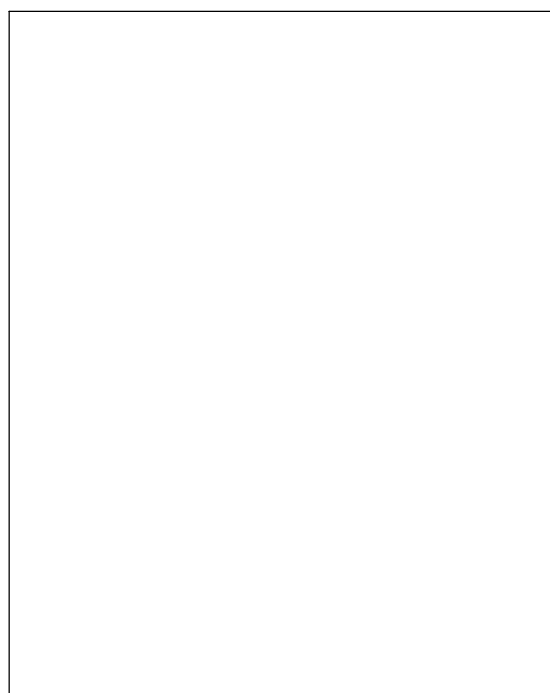
a)



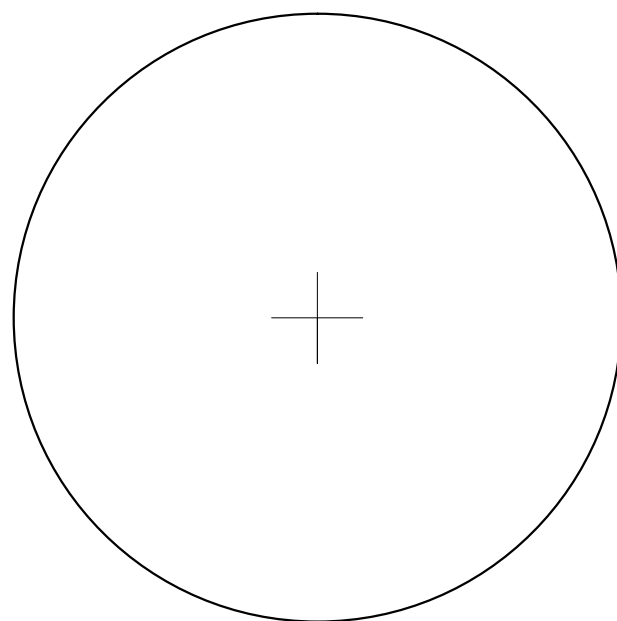
MANDATORY SIGN

MEANING: \_\_\_\_\_  
 \_\_\_\_\_

b)



FREEHAND SKETCHES



PROHIBITION SIGN

Question 6. The drawing on the right shows a lighting fixture with two lamp-shades.

The lamp-shades have the shape of a hexagonal pyramid.

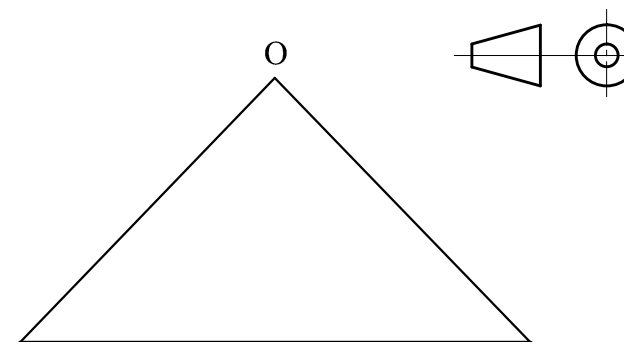
The plan and an incomplete front elevation of the hexagonal pyramid are given.

a) Complete the front elevation.

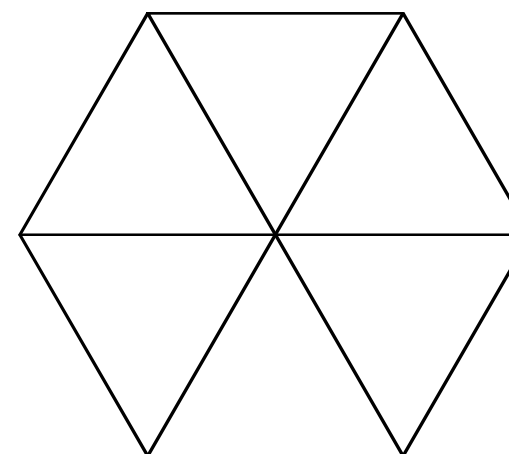
b) Construct the development of the pyramid.

c) Label your development.

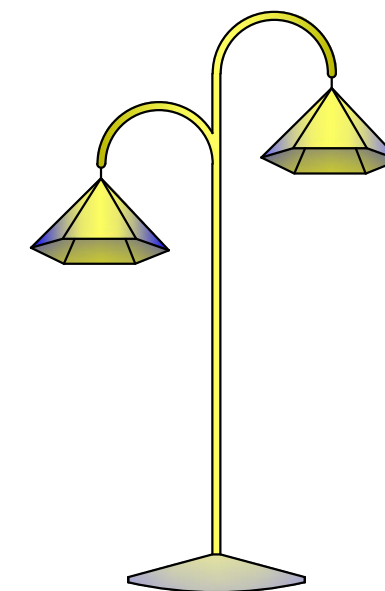
14 marks



FRONT VIEW



PLAN



O+

\_\_\_\_\_