Question 1.

You are required to replicate the super hero sign on the right. To perform this task you must complete the following steps.

**Step 1:** Locate the pentagon points in the circle provided below, using geometric constructions.
**Step 2:** Draw the three outer circles having the radii 60mm, 70mm, and 80mm.
**Step 3:** Render the completed drawing, by colouring the star in blue and the two circles in red.

Marks will be awarded for neatness and accuracy.
(15 marks)

Question 2.

The image of the hammer below represents the symbol of the Greek God Thor. Use the radial method to enlarge the hammer, using point P as the pole. Line a b has been enlarged to line a1 b1.

Marks will be awarded for neatness and accuracy.
(15 marks)