Note: Answer only two questions on condition that question three should be answered.

Q1) For the drawing shown in Figure (1), draw the sectional front view, the side view and the top view. Also, indicate the main dimensions on the drawing.

(20 Mark)

Figure (1)
Q2) The front and right side views are shown in Figure (2). Draw the three views and the isometric drawing. Put the basic dimensions on the drawing. (20 Mark)

![Figure (2)]

Q3) The front views of the following parts are shown in Figure (3):

(1) bracket    (2) wheel

Draw a full sectional front view for the assembly drawing using a hexagonal bolt M30 (L = 100 mm, L’ = 55 mm) with washer (t = 3 mm) and a hexagonal nut M30. Indicate the main dimensions on the drawing. (20 Mark)

Note:
L : total length of the bolt.
L’ : threaded length of the bolt.
t : washer thickness.
Figure (3)