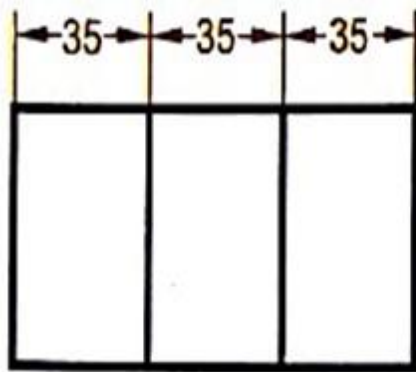
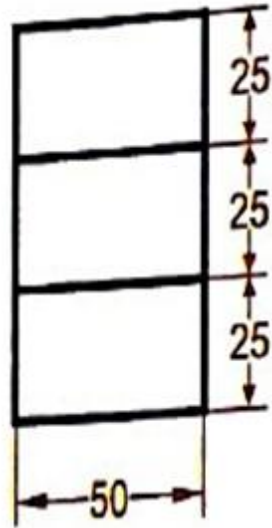
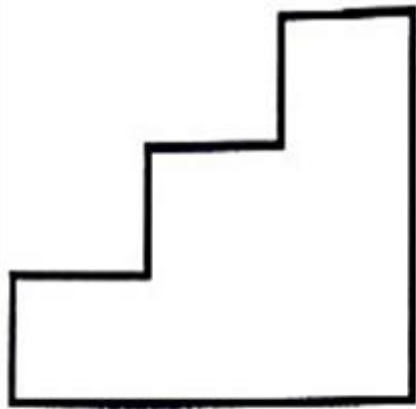


ORTHOGRAPHIC PROJECTIONS

ASSIGNMENT 1 SOLUTION

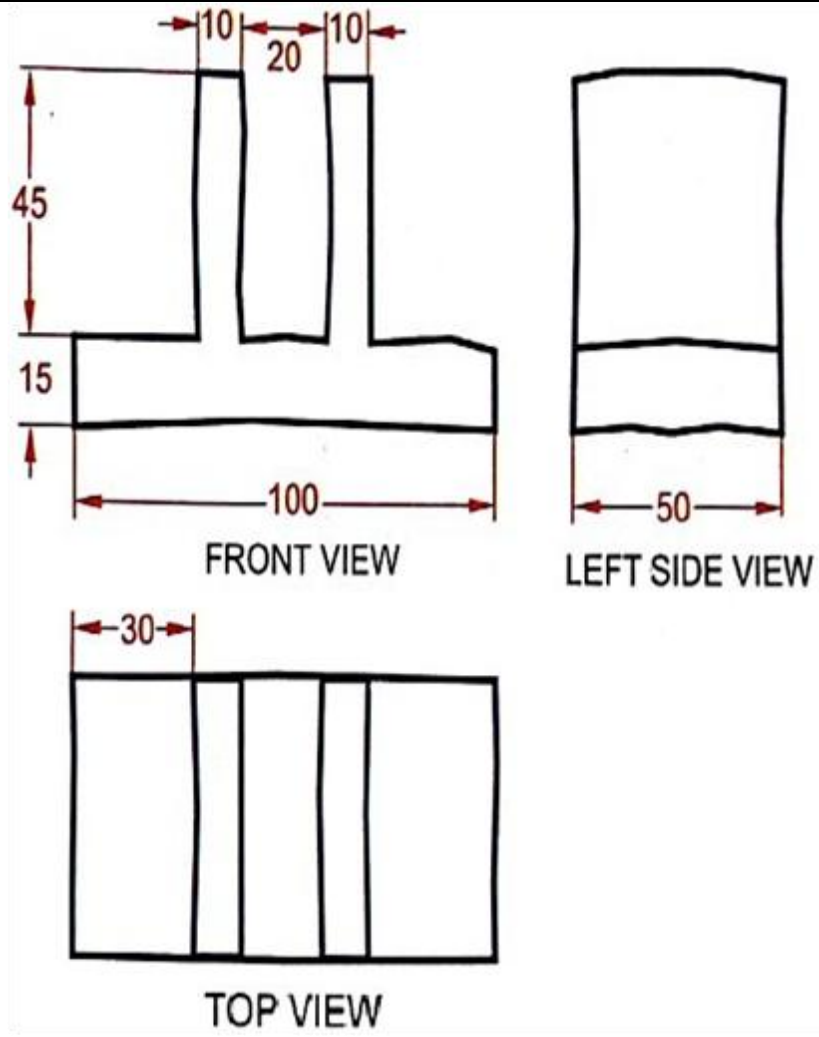
	Draw the different views of the objects shown in figure.
<u>Q.1</u>	
<u>Sol.</u>	<p>The figure displays three orthographic views of a mechanical component:</p> <ul style="list-style-type: none">R.S. VIEW (Right Side View): A rectangular profile with a total height of 60 and a total width of 40. The top edge has a width of 10. A dashed line indicates a sloped internal feature. The bottom edge has a width of 30.FRONT VIEW: A T-shaped profile with a total width of 50 (10 + 30 + 10) and a total height of 60. The top edge has a width of 10. The central vertical section has a width of 30.TOP VIEW: A plan view showing the object's footprint. It features a central rectangular section with a width of 30 and a height of 10. The ends are semi-circular with a radius of R15. The total width is 50. The distance from the center of the semi-circular ends to the center of the rectangular section is 20. The distance from the center of the rectangular section to the center of the semi-circular ends is 10. The bottom edge is labeled with 'p' and 'q'.
<u>Q.2</u>	

Sol.



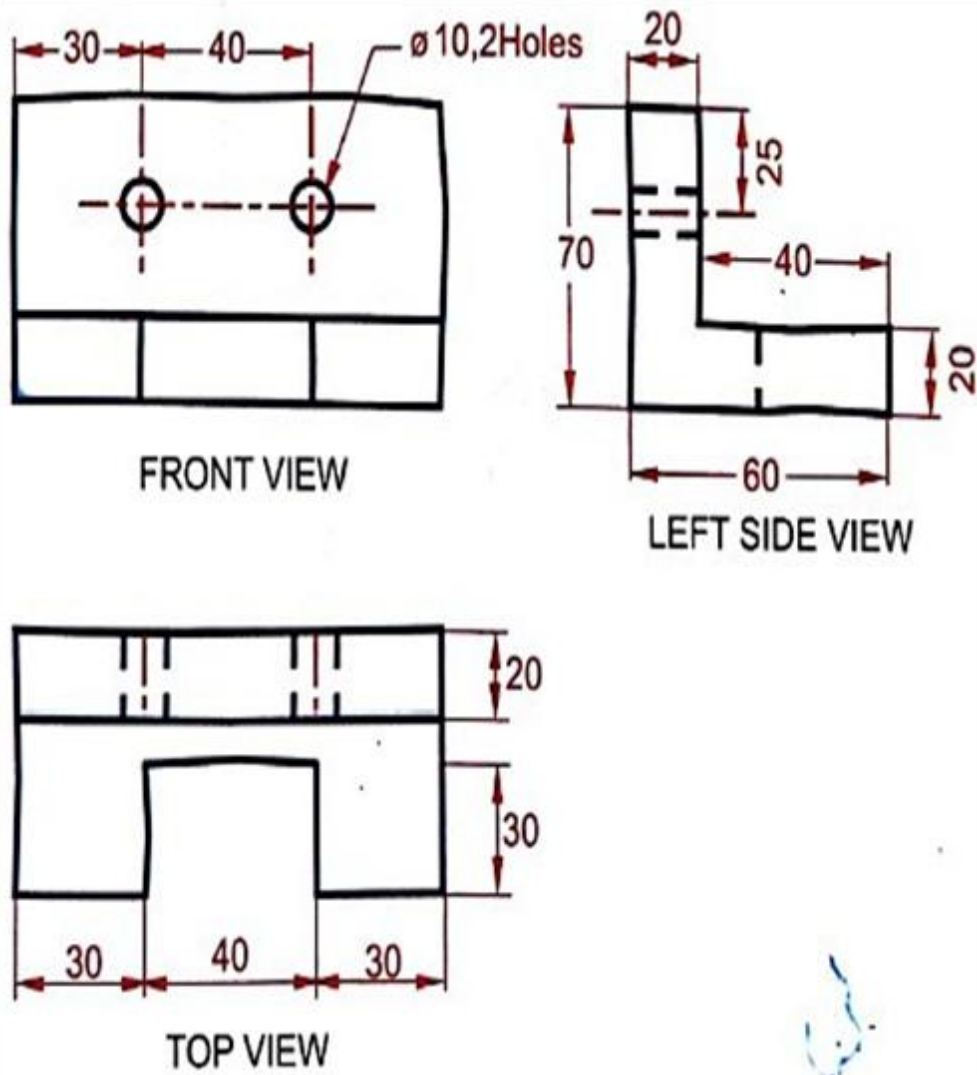
Q.3

Sol.



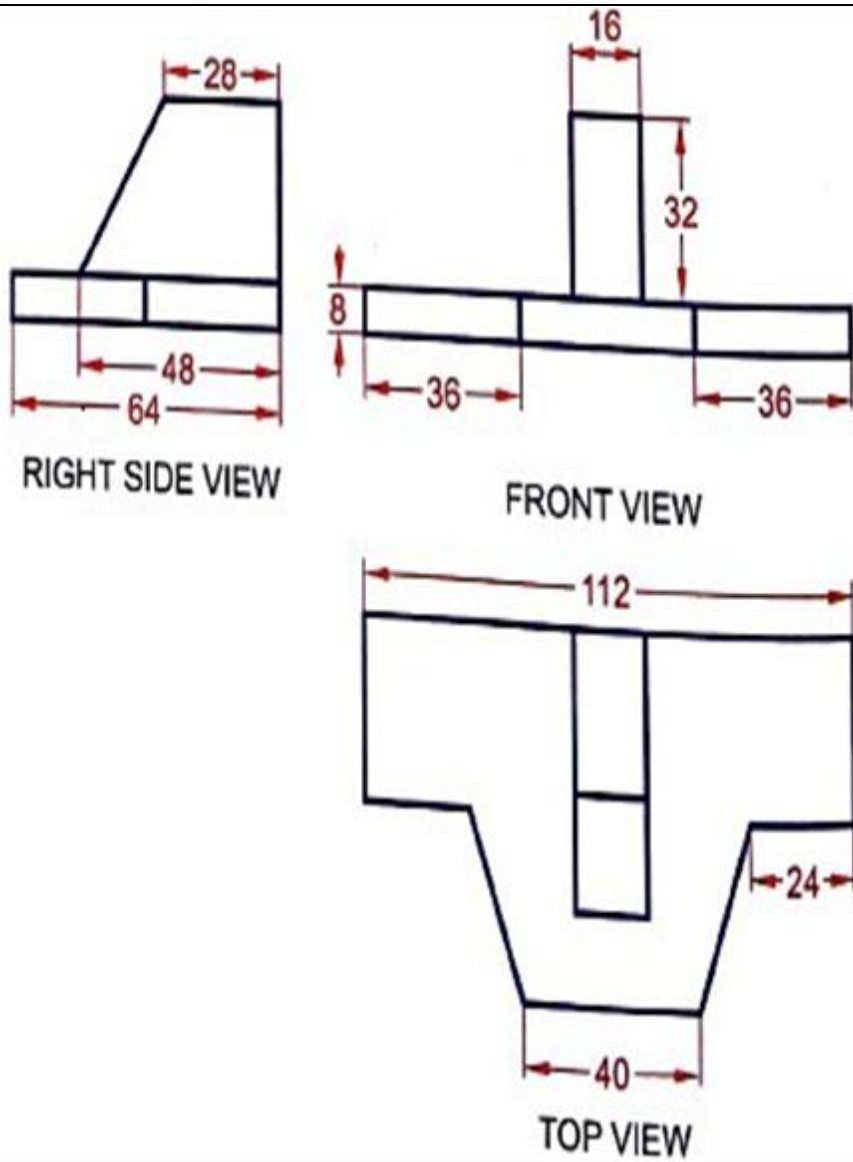
Q.4

Sol



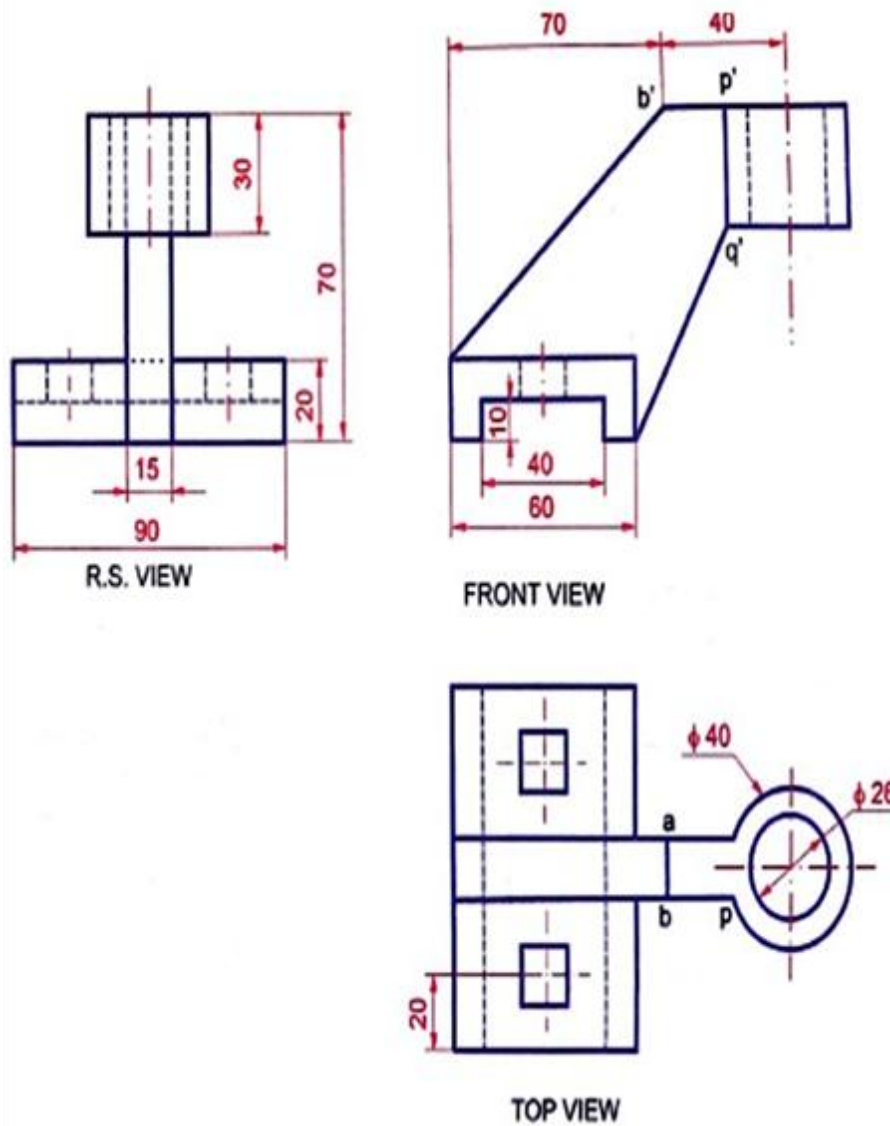
Q.5

Sol.



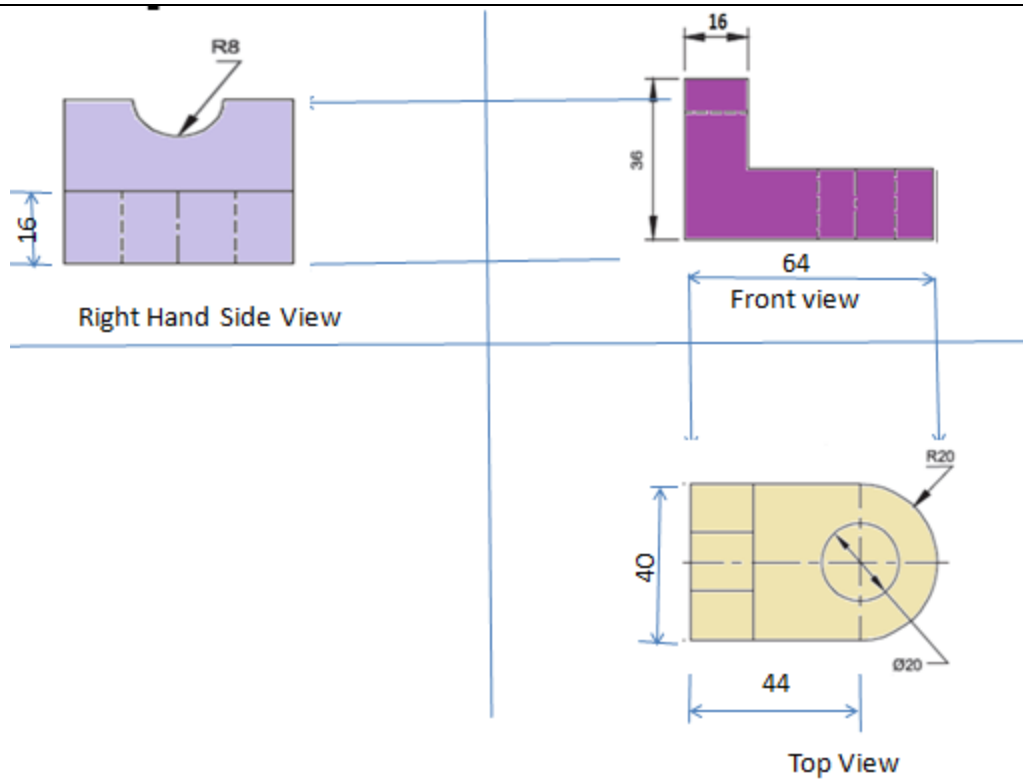
Q.6

Sol.



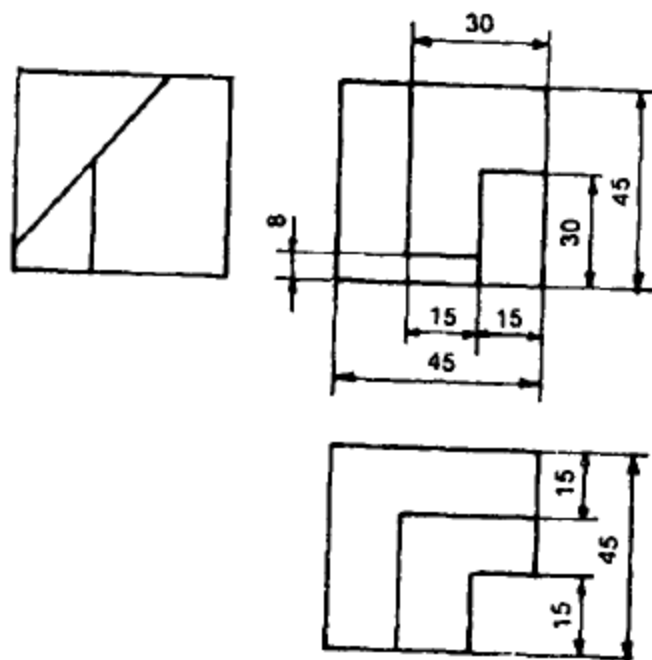
Q.7

Sol.



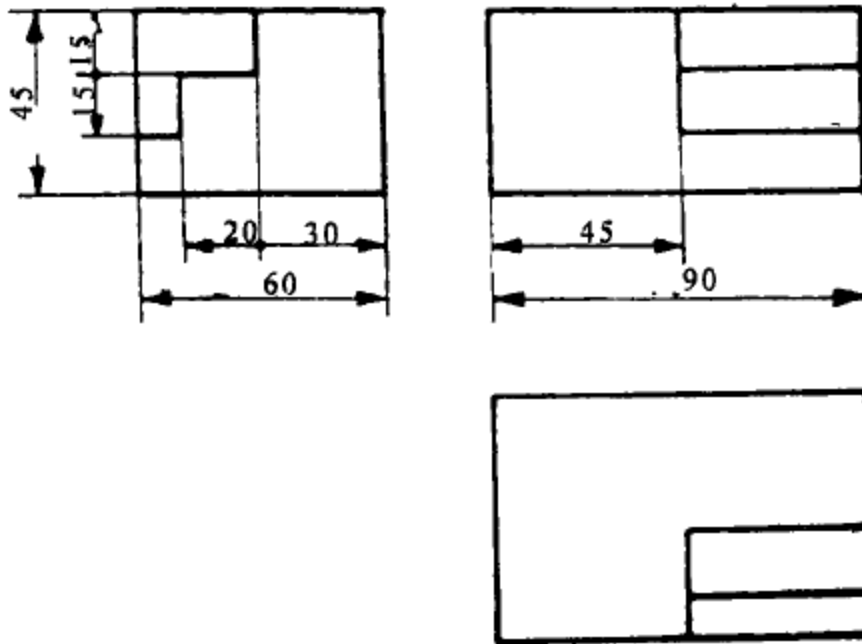
Q.8

Sol.



Q.9

Sol.



Q.10

Sol.

