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19/ENG04/062

ELECT/ELECT

SOLUTIONS TO MCQ QUESTIONS

1. *You represent a sectioned surface using section lines. The section lines are identical and are drawn in the same direction.*
2.
   - *-dimensions should not be duplicated*
   - *-dimensions should be placed at important center lines*
   - *-avoid dimensioning hidden lines*
   - *-never cross dimension lines*
   - -never cross extension lines
3. Half section: half sections are created by passing an imaginary cutting plane only halfway through an object
   Full section: a full section view is made by passing the imaginary cutting plane completely through the object
4. Leader lines are terminated with an arrow head.
5. A) 5:1 is enlargement
   B) 1:10 is reduction

6. (a) ⌀

   (b) R

   (c) 

   (d) SR

7. The projections of an object should convey all the three dimensions, along with other details of the object on a sheet of paper.

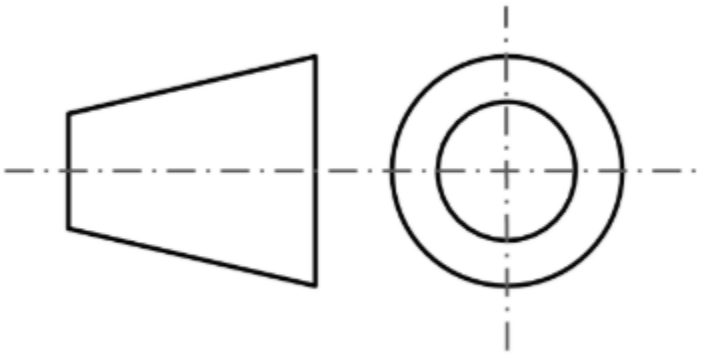
Orthographic projection is a means of representing three-dimensional objects in two dimensions. It is a form of parallel projection, in which all

the projection lines are orthogonal to the projection plane, resulting in every plane of the scene appearing in affine transformation on the viewing surface.

8. when the projection is two dimensional

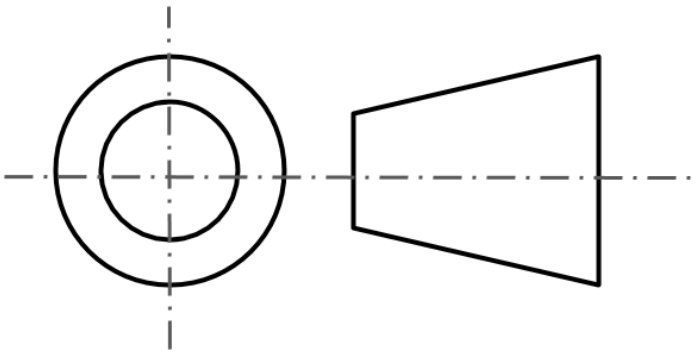
9. (a) First angle projection is a type of Orthographic projection used to draw 3D objects in 2D plane.

Symbol of First Angle projection:



In 1st angle projection system, object is placed in the first quadrant and lies in between observer and plane of projection. In this object top view is drawn in the bottom of front view. And Left and right side views are drawn on right and left side of front view.

(b) In the 3rd angle projection, objects are placed in the third quadrant and projection plane lies in between observer and the object.



OBJECTIVES

1. B
2. B
3. B
4. A
5. A
6. B
7. C
8. B
9. A
10. A
11. C
12. A
13. B
14. C
15. C
16. D