

CADD EX - 2020

Duration: 60 min

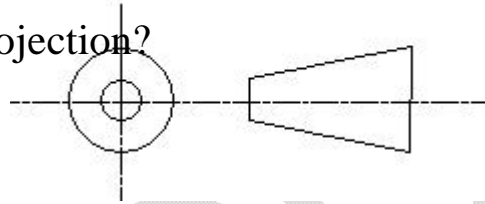
Name:

Marks: 50

Set: C

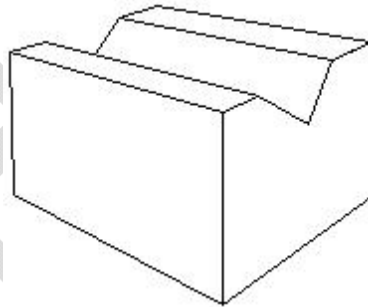
1. This figure represent which type of projection?

- (a) 1st angle
- (b) 2nd angle
- (c) 3rd angle
- (d) 4th angle

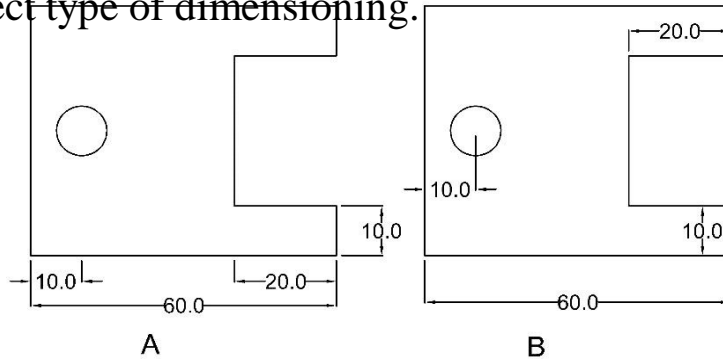


2. The figure shows which type of view?

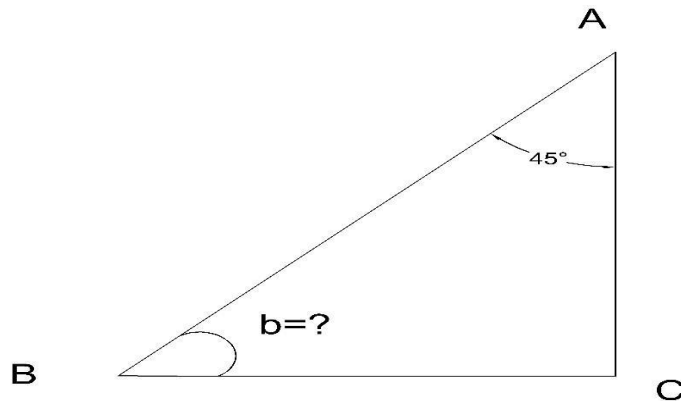
- (a) Isometric view
- (b) Orthographic view
- (c) Perspective view
- (d) None of these



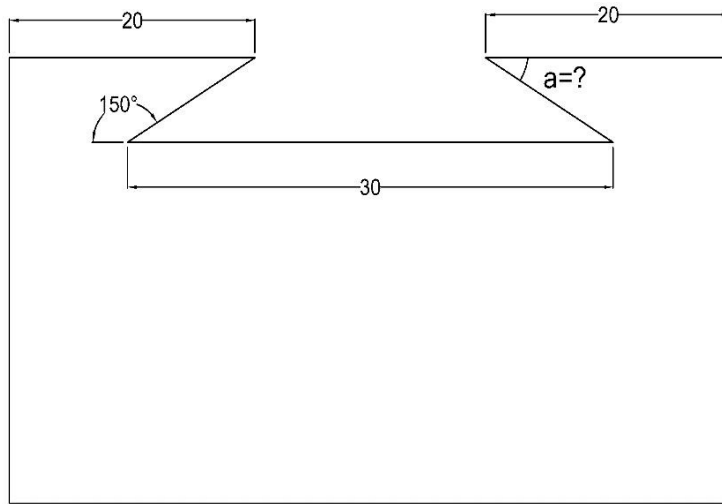
3. Choose the correct type of dimensioning.



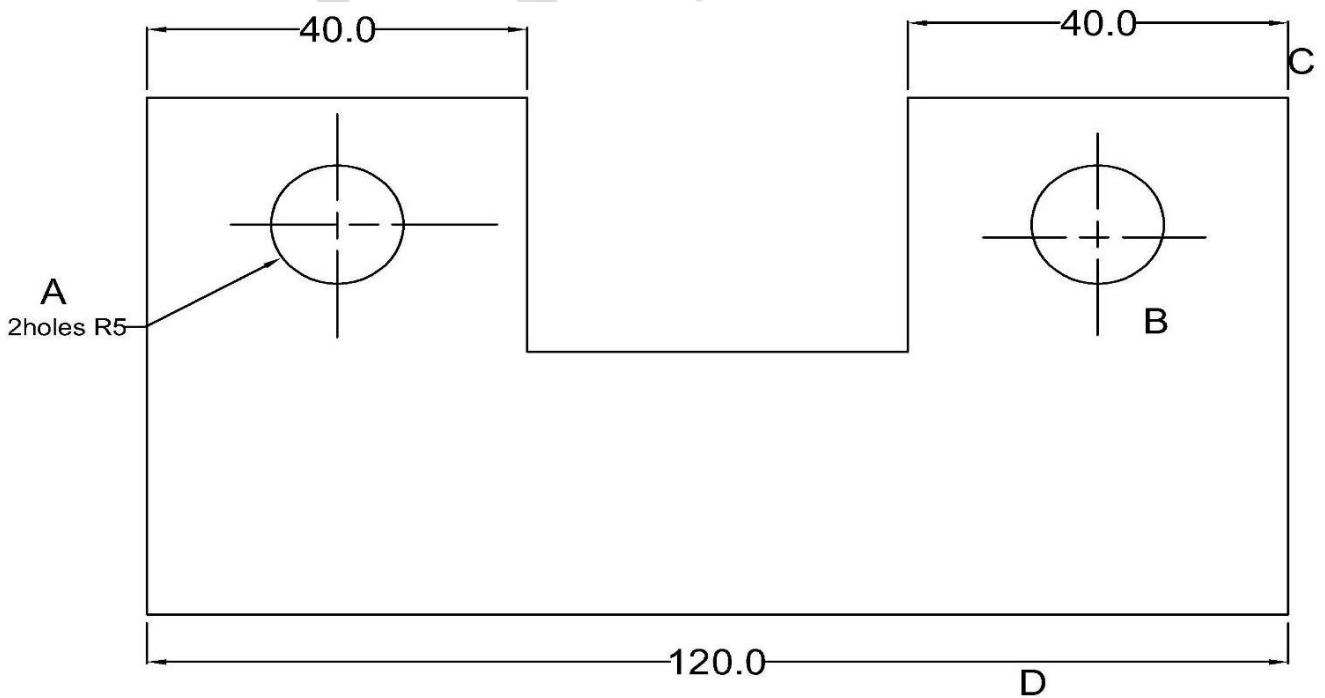
4. Find out the angle-b.



5. Find angle $a=?$

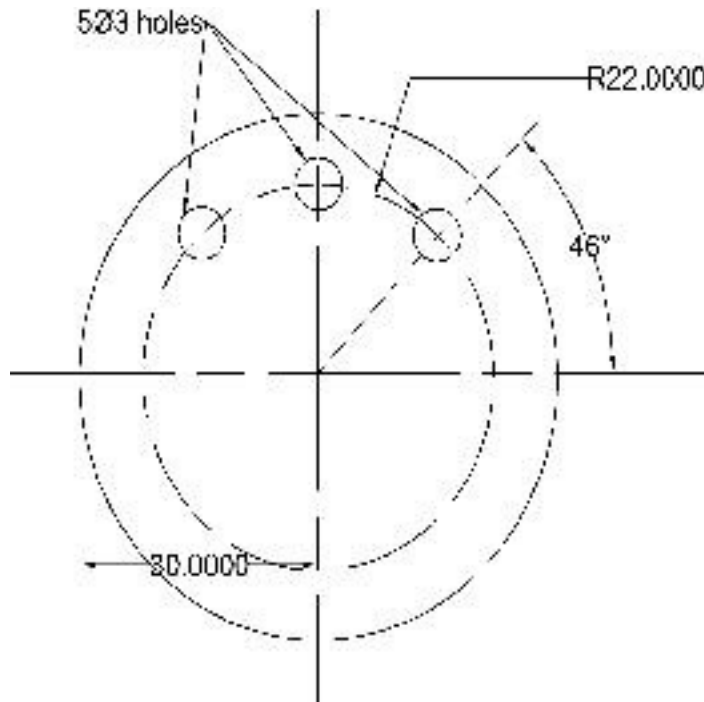


6. Match the options with the given elements.

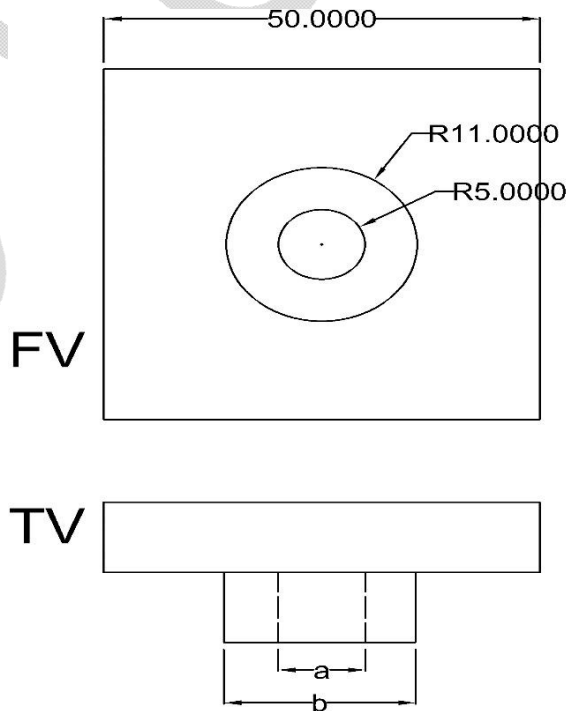


- Leader line - B
- Extension line - A
- Center line - D
- Dimension line - C

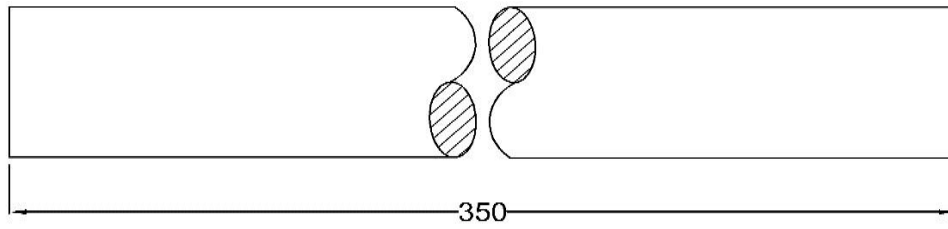
7. Is the method of dimensioning is correct? If no, Then correct it.



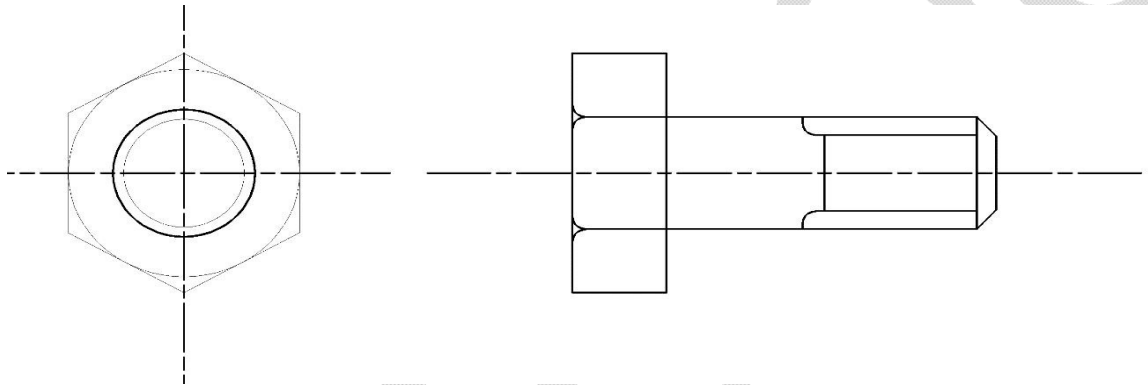
8. Write down the value of 'a' and 'b'.



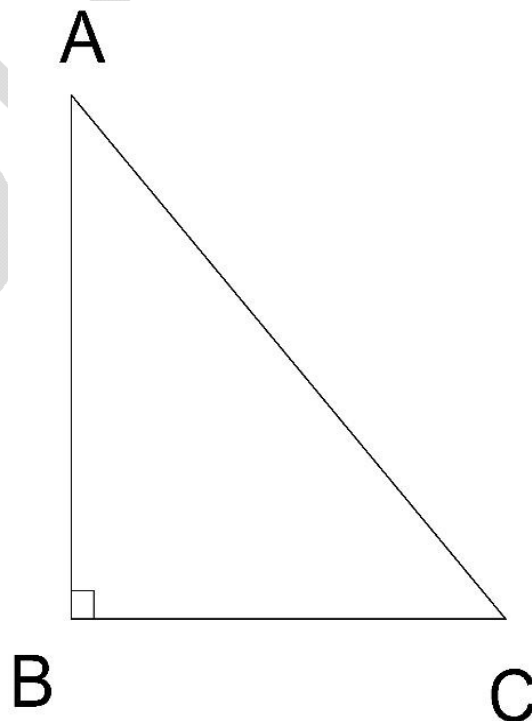
9. Which type of dimensioning is this?



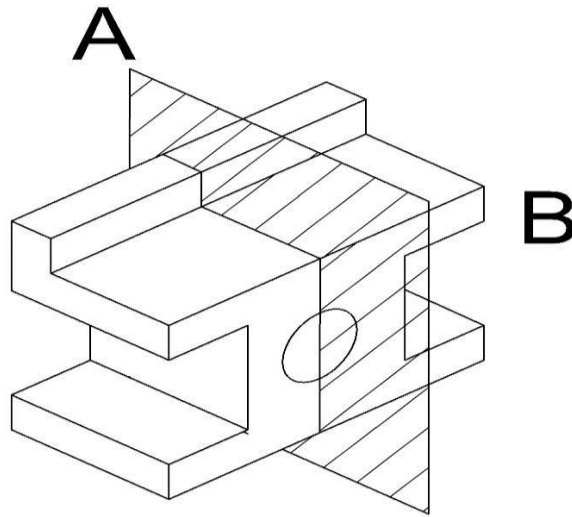
10. The diagram refers to which type of bolt _____



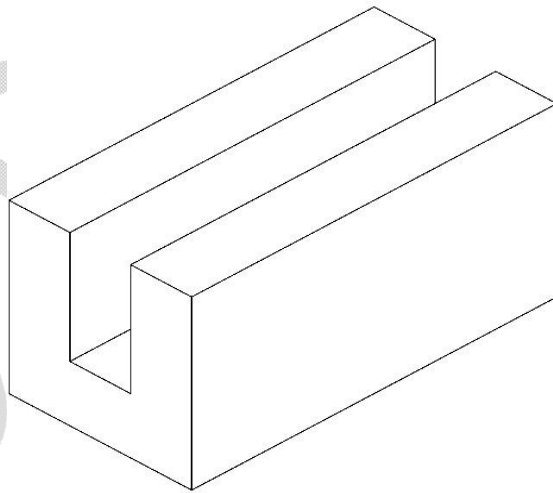
11. When the given triangle has been revolved about the side AB itself then what will we get?



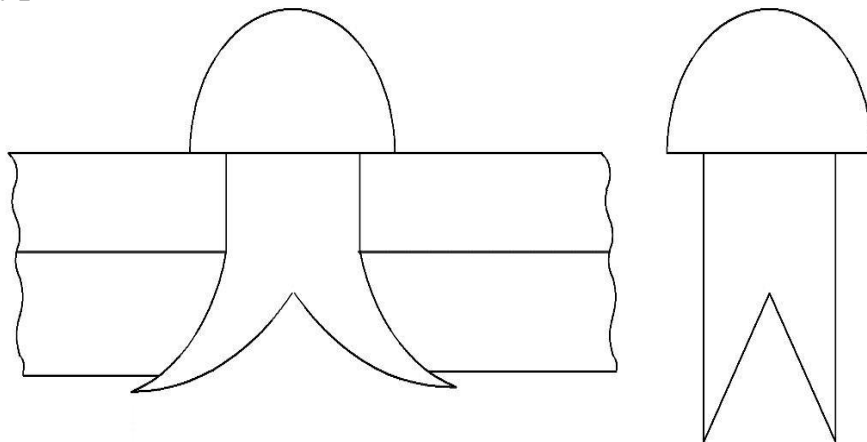
12. Draw the section view of A-B of the following diagram



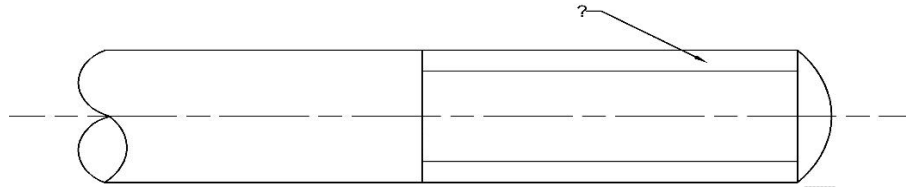
13. Draw the developed surface of the following diagram.



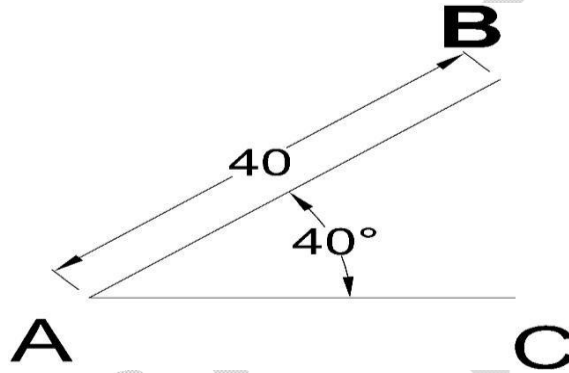
14. Which type of fasteners is this _____



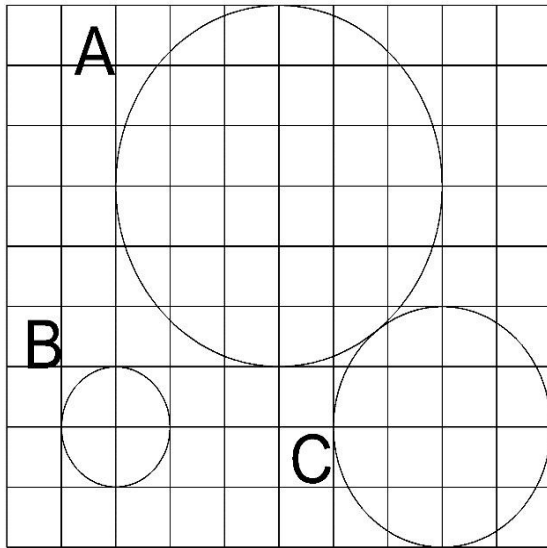
15. The Following Diagram Represent _____



16. How do you define the point 'C' on polar co-ordinate system?



17. By using the given diagram fill the table.



	X	Y	Dia
A			
B			
C			

II. Objective type questions.

18. From which direction AutoCAD start measuring angles?
(a) 12 o'clock (c) 6 o'clock
(b) 3 o'clock (d) 9 o'clock
19. What does WCS stand for?
(a) Western CAD system
(b) Worldwide Coordinate Sectors
(c) World Coordinate System
(d) Wrong CAD Settings
20. Is 300 degrees the same as -60 degrees in a drawing?
(a) Yes (c) Not always
(b) No (d) Never
21. Polar coordinates are used mostly for drawing _____?
(a) Circles (c) Vertical lines
(b) Arcs (d) Angled lines
22. How many points do you need to define for the rectangle command?
(a) 1 (c) 4
(b) 2 (d) none
23. Dimension given in one view should be repeated in another view
(a) True (b) False
24. Two dimension lines may cross but two extension lines should never cross
(a) True (b) False
25. The designation M33×2 of a bolt means
(a) Metric thread of 33 nos. in 2 cm
(b) Metric treads with cross-section of 33 mm
(c) Metric threads of 33 mm outside diameter and 2 mm pitch
(d) Bolt of 33 mm nominal diameter having 2 threads per cm
26. Which type of nut is used for better hold _____
(a) Square (c) Slotted
(b) Hexagonal (d) Castle

27. $3' = \underline{\hspace{2cm}}$ mm
(a) 25.4 (c) 24.5
(b) 25.0 (d) 24.0
28. Diameter of screw head = times of screw diameter
(a) 1.60 (c) 1.70
(b) 1.65 (d) 1.75
29. For a spur gear the product of circular pitch and diameter pitch is equal to
(a) Unity (c) $\pi/2$
(b) π (d) 0.5
30. Which of the following scale factor shows enlargement scale
(a) 2:1 (c) 1:2
(b) 1:1 (d) none of these
31. Which of the following scale factor shows reduction scale
(a) 2:1 (c) 1:2
(b) 1:1 (d) none of these
32. Which of the following scale factor shows equal scale
(a) 2:1 (c) 1:2
(b) 1:1 (d) none of these
33. The size of A4 drawing sheet is
(a) 297,210 (c) 279,201
(b) 298,209 (d) 289,210
34. The arrowhead is having the length while dimensioning
(a) 3 times the width (c) Equal to the width
(b) 2 times the width (d) Half of the width
35. The sectional views gives us:
(a) The dimension of object(c) Both (a)&(b)
(b) The internal detail of object (d) None of the above
36. The most common projection used in machine drawing is
(a) Dimetric (c) Isometric
(b) Perspective (d) Orthographic

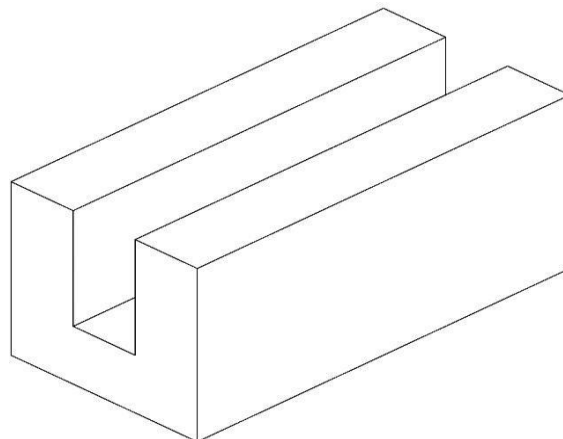
37. The angle of hatching line is kept as _____
(a) 30° (c) 60°
(b) 45° (d) 75°
38. In isometric drawings the horizontal lines are kept as
(a) 30° (c) 40°
(b) 35° (d) 45°
39. Which is the correct method to represent the tolerance
(a) $\varnothing 25^{+0.05}_{-0.05}$ (c) Both a&b
(b) $\varnothing 25 \pm 0.05$ (d) None of these

III. Give one line answers

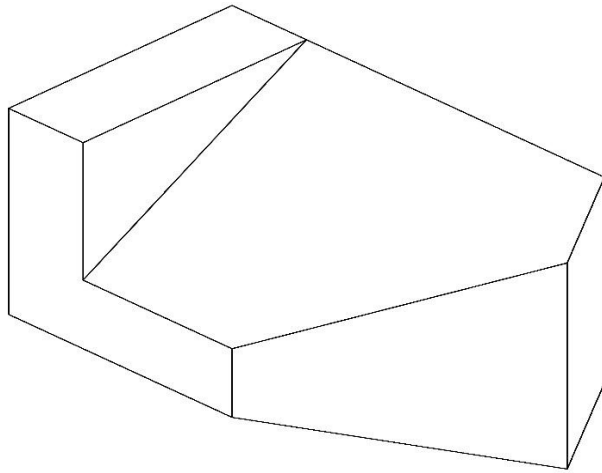
40. CAD stands for _____
41. CADD stands for _____
42. What do you mean by UCS?
43. What are the co-ordinate systems?
44. Draw the conventional representation of first angle projection.
45. The length and width of the title block is _____
46. Name some types of constrains.
47. If we develop the surface a cylinder, what are the shapes can get?

IV. Free hand Sketching -draw top, front, left side views for any three of the following isometric diagrams

48.



49.



50.

