CAE-II- Unit 3A-Interpret-Read-Blueprints-SECTIONS

Computer Aided Engineering

* Required

1. Email address *

2. First Name *

3. Last Name *

4. Email *

5. When merging more than one drawing to create an assembly drawing, the AutoCAD command to use is _____. *

   Mark only one oval.

   - List
   - Paste
   - Insert
   - Find

6. Which of the following components must be the same when creating an assembly drawing? *

Mark only one oval.

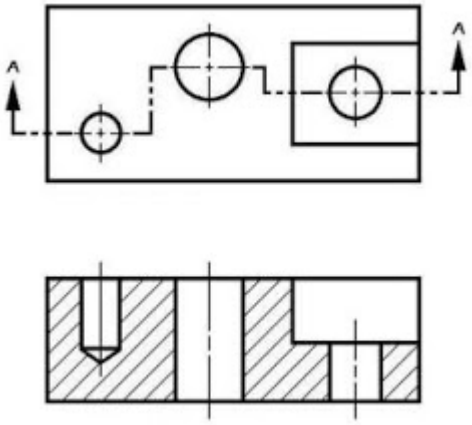
- Materials
- Line type
- Color
- Scale

7. What is the main purpose of an assembly drawing? *

Mark only one oval.

- Describes the parts in 3-D
- Describes the general parts
- Shows the parts as they fit together
- Shows the types of materials

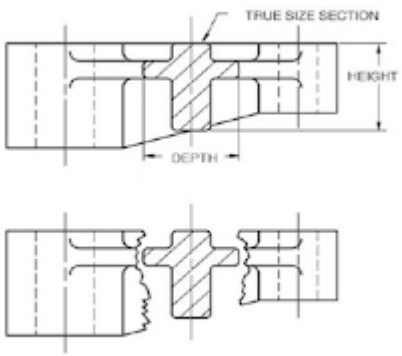
8. A/An ____ section is shown below. *



Mark only one oval.

- ◯ removed
- ◯ offset
- ◯ revolved
- ◯ broken out

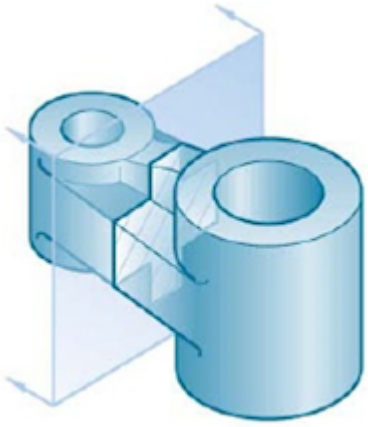
9. A _____ section is shown below. *



Mark only one oval.

- ◯ A. Revolved
- ◯ B. Rotated
- ◯ C. Removed
- ◯ D. Both A and B

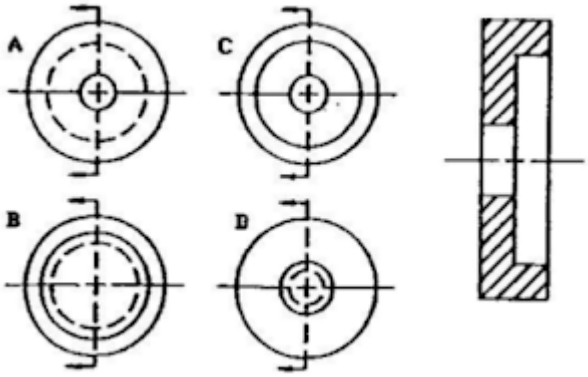
10. Which section is needed for the drawing below? *



Mark only one oval.

- ◯ Revolved
- ◯ Removed
- ◯ Rotated
- ◯ Offset

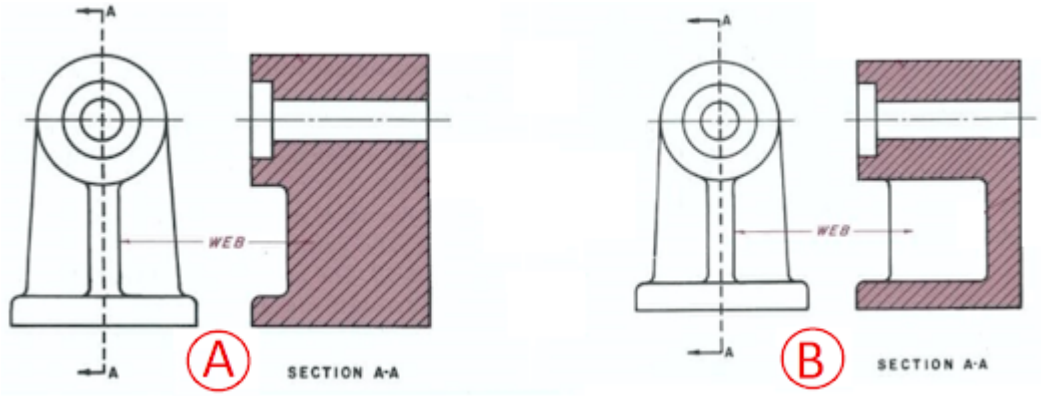
11. The correct solution to the drawing on the right is illustrated by: *



Mark only one oval.

- A
- B
- C
- D

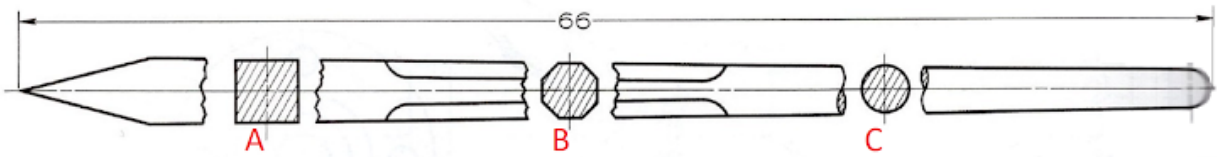
12. Which image depicts the conventional method of cutting a section through a web? *



Mark only one oval.

- Image A
- Image B
- They are both acceptable
- Neither A nor B are acceptable

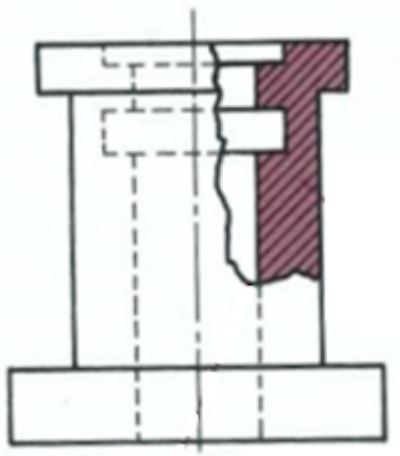
13. Which of the section represents a REMOVED section? *



Mark only one oval.

- Section at "A"
- Section at "B"
- Section at "C"
- None of the above

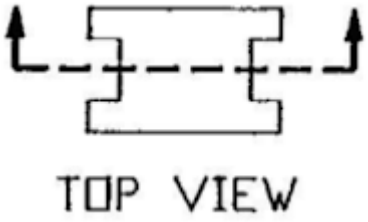
14. The section below is a _____ section. *



Mark only one oval.

- Removed
- Exploded
- Broken-out
- Piece

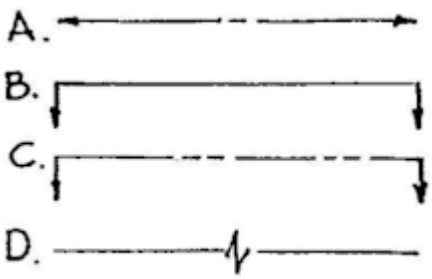
15. The cutting plane shown below indicates drawing a section that will take the place of which view? *



Mark only one oval.

- Front
- Left side
- Right Side
- Top

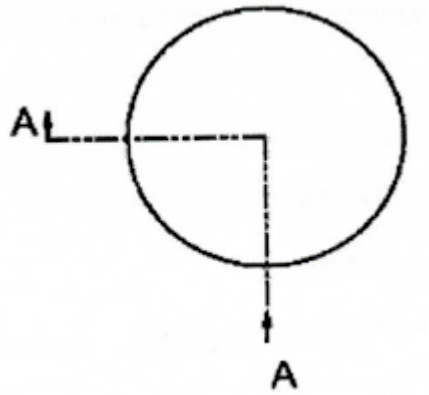
16. The best example of a cutting plane line shown below is:



Mark only one oval.

- A
- B
- C
- D

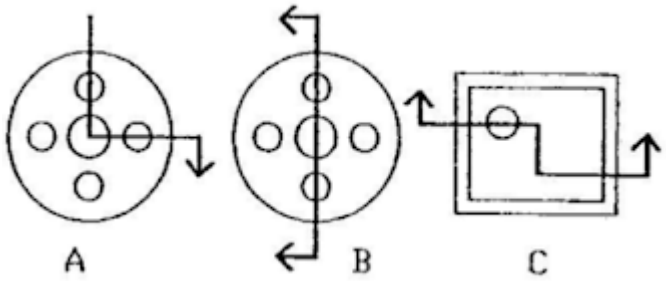
17. A ____ section is shown below.



Mark only one oval.

- full
- three-quarter
- half
- quarter

18. Which of the cutting plane lines shown below would indicate a 1/2 section? *



Mark only one oval.

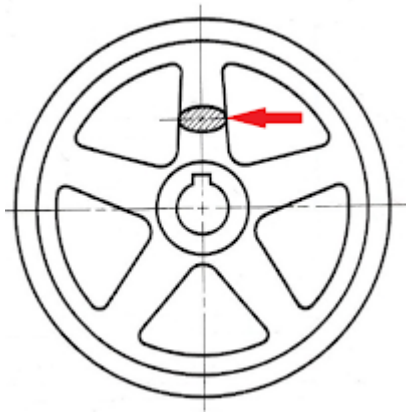
- A
- B
- C

19. Which of the following describes all of the parts in an assembly? *

Mark only one oval.

- Title block
- Production sheet
- Work order
- Bill of materials

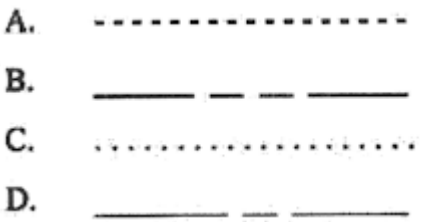
20. The red arrow is pointing to a _____. *



Mark only one oval.

- right side view
- revolved section
- removed front view
- front section

21. Which of the following is a center line? *



Mark only one oval.

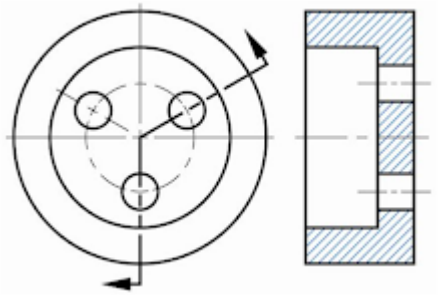
- A
- B
- C
- D

22. Use hatching in an assembly section drawing to *

Mark only one oval.

- A. indicate materials
- B. clarify dimensions
- C. shade pictorial drawings
- D. clarify manufacturing process

23. Which of the following sections is shown below? *



Mark only one oval.

- broken out
- aligned
- offset
- revolved

24. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Runout
- Total Runout
- Profile of a Line
- Flatness

25. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Parallelism
- Symmetry
- Total runout
- Straightness

26. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Cylindricity
- Concentricity
- Profile of a Surface
- Circularity

27. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Straightness
- Profile of a Surface
- Profile of a Line
- Flatness

28. Which GD&T symbol does the image below represent? *

Mark only one oval.

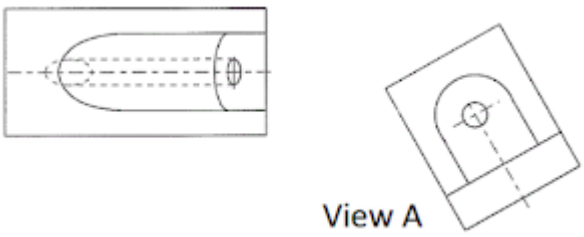
- ◯ Straightness
- ◯ Profile of a Line
- ◯ Profile of a Surface
- ◯ Perpendicularity

29. The line coordinates (0,0), (2,0), (2,4), (0,4), and (0,0) describe a *

Mark only one oval.

- ◯ Circle
- ◯ rectangle
- ◯ square
- ◯ 3-D square

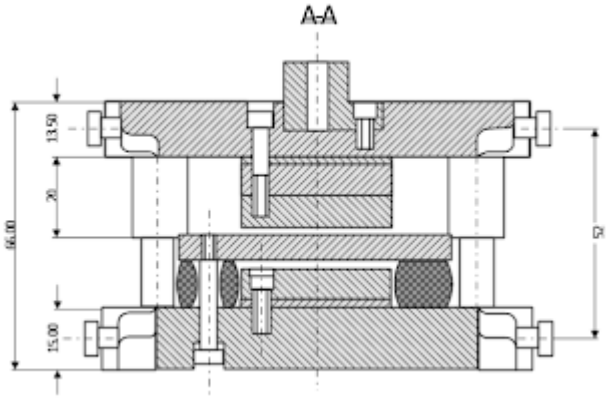
30. In the figure below, view "A" is a/ an _____ view. *



Mark only one oval.

- ◯ Oblique
- ◯ Revolved
- ◯ Auxiliary
- ◯ Aligned

31. The drawing below represents a (n) _____ drawing. *



Mark only one oval.

- front section
- assembly section
- side section
- top section

32. The portion of the drawing that contains information about the type of material, number of parts, and identifies each part on the drawing is the _____. *

Mark only one oval.

- border
- general notes
- bill of materials
- title block

33. The_____ includes all of the components in an assembly. *

Mark only one oval.

- production sheet
- work order
- parts list
- title block

34. The primary purpose of an assembly drawing is to *

Mark only one oval.

- describe the shape of parts
- show the parts as they fit together
- show the types of materials
- describe the parts in 3-D

35. Dimensions on items in assemblies are typically *

Mark only one oval.

- not shown
- required
- shown on each part
- toleranced

36. Hidden lines in a sectional assembly view are *

Mark only one oval.

- displayed as a solid line
- typically not shown
- shown as phantom lines
- mandatory

37. Information found on a bill of materials includes *

Mark only one oval.

- size and tolerance
- cutting speed and tool path
- material type and quantity
- drawing scale and size

38. The portion of the drawing that contains information about the type of material, number of parts, and identifies each part on the drawing is the *

Mark only one oval.

- border
- general notes
- bill of materials
- title block

39. Which GD&T symbol does the image below represent? *

Mark only one oval.

- ◯ Total runout
- ◯ Profile of a Line
- ◯ Position
- ◯ Angularity

40. Which GD&T symbol does the image below represent? *

Mark only one oval.

- ◯ Concentricity
- ◯ Position
- ◯ Circularity
- ◯ Cylindricity

41. Which GD&T symbol does the image below represent? *

Mark only one oval.

- ◯ Angularity
- ◯ Profile of a Surface
- ◯ Parallelism
- ◯ Flatness

42. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Circularity
- Concentricity
- Position
- Circular runout

43. Which GD&T symbol does the image below represent? *

Mark only one oval.

- Flatness
- Profile of a Line
- Straightness
- Profile of a Surface