

**TPBO TEST-1**

1. Which tool can be used to draw a 90 degree angle?

A) 30/60 triangle

B) Protractor

C) Drafting machine

☒ D) All of the above

2. Which set of lead grades has a grade out of sequence?

A) H, HB, B, 3B

B) FB, H, F, 3H

C) 6B, B, H, 4H

D) 9H, HB, B, 2B

3. Which type of line is part of a dimension?

A) Break lines

B) Phantom lines

☒ C) Extension lines

D) Cutting plane lines

4. Which type of line is particular to section drawings?

A) Break lines

B) Phantom lines

C) Extension lines

☒ D) Cutting plane lines

5. Which angle cannot be made with either a 45 or 30/60 triangle or a combination of the two?

A) 90

☒ B) 75

C) 30

D) 15



6. A drawing instrument set usually contains all of the following, except:

- A) Bow compass
- B) Scale
- C) Dividers
- D) Extra leads

7. Which line type is thin and light?

- A) Visible lines
- B) Center lines
- C) Construction lines
- D) All of the above

8. Which line type is thick and black?

- A) Visible lines
- B) Center lines
- C) Construction lines
- D) All of the above

9. Which type of line has precedence over all other types of lines?

- A) A hidden line
- B) A center line
- ☒ C) A visible line
- D) None of the above

10. Which statement(s) is true about the precedence of lines?

- ☒ A) A hidden line has precedence over a center line
- B) A center line has precedence over a visible line
- ☒ C) A visible line has precedence over a miter line
- D) All the above

*Handwritten notes:*

Cutting plane. — visible-hidden (center) miter line.

Top, front, side

950

protecting for 3rd view



11. When you want to make the letters of a line of text narrower, you would set its:

☒ A) Aspect

B) Scale

C) Alignment

D) Font

reducing width

12. When you want to make sure that all of the text stays to the right of a given point on the drawing, you would set its:

A) Aspect

B) Scale

☒ C) Alignment

D) Font

13. The primary unit of measurement for engineering drawings and designs in the mechanical industry is the

☒ A) Millimeter

B) Centimeter

C) Meter

D) Kilometer

14. To draw the leader line, which type of the following line is used?

A) Continuous thick line

B) Long chain thin line

C) Continuous thin wavy line

☒ D) Continuous line

49 mm

15. A French curve is used to draw

A) Circle

B) Ellipse

☒ C) Smooth free form curve

D) Polygon

16. A drafter helps in drawing

- A) parallel and perpendicular lines
- B) concentric circles
- C) Smooth curves
- ☒ D) All of above

17. Which of the following pencil leads is hardest?

- A) HB
- ☒ B) H
- C) B
- D) F

18 To draw smooth curve of any nature, draughting instruments used is

- A) Mini-drafter
- ☒ B) French curve
- C) Templates
- D) Eraser shield

19 Parallel lines can be drawn with the help of

- A) Mini drafter
- B) T-square
- C) Pair of set squares
- ☒ D) All of these

20. 'A' series of paper has length to width ratio of approximately

- A) 3:2
- B)  $\sqrt{3}:1$
- ☒ C) 2:1
- D) 5:3



21. Number of orientation mark generally contained by a drawing sheet is

- (a) One
- (b) Two
- ☒ (c) Four
- (d) Three

22. Extension arm used with engineering compass to facilitate

- ☒ (a) To draw circles of larger diameter.
- (b) To increase the gripping arm
- (c) To adjust distance between the legs
- (d) To increase accuracy

23. Revision tables on a drawing sheet provide the following information

- (a) Designation of revision
- (b) Date of revision
- (c) Initials of the person responsible for revision
- ☒ (d) All the above

24. Which of the following is preferred containing the statement "All dimensions are in millimetres unless otherwise specified"

- (a) Frames and Borders
- ☒ (b) Title block
- (c) Item List
- (d) Revision Table

25. In the engineering system of paper sizes, which of the following is 'A2' size?

- (a) 841 mm x 1189 mm
- (b) 594 mm x 841 mm
- ☒ (c) 420 mm x 594 mm
- (d) 210 mm x 297 mm

A0  
A1  
A2 0.42

