

PART -B (ENGINEERING DRAWING)

(75)

Choose the correct answer.

- The basic principles involved in arriving at the sizes of drawing sheets whose sides X & Y, are _____.
 a) X: Y = 1: $\sqrt{2}$ and XY = 1
 b) X: Y = $\sqrt{2}$: 1 and XY = 1
 c) X: Y = 1: $\sqrt{2}$ and XY = $1/\sqrt{2}$
 d) X: Y = 1: $\sqrt{2}$ and XY = $\sqrt{2}$
- The edges of the drawing board on which T – square is made to slide is called as _____.
 a) Battens
 b) Working edges
 c) Ebony
 d) None of these
- Which one of the following is the correct statement for dimensioning a view: -
 a) All of them should be placed close to the parts being dimensioned
 b) All of them should be placed within the view
 c) They should be marked from visible outlines rather than from hidden line
 d) Dimensions indicated in one view may be repeated in another view
- The inclination of letters as recommended by BIS is _____.
 a) 75°
 b) 70°
 c) 65°
 d) 60°
- When two diameters of a circle are drawn at right angles to each other, which of the following polygons will have all the sides at 45° to these diameters?
 a) A hexagon inscribed in given circle
 b) A pentagon inscribed in given circle
 c) A octagon inscribed in given circle
 d) A square inscribed in given circle
- For folding the A2 size drawing sheet for filling or binding. The length wise folding will have the widths: -
 a) All folded widths are of equal in size
 b) Only 3 folds of equal and other two of un equal size
 c) Only 4 folds of equal and other one of A4 size
 d) Any size of widths as suitable for filing can be used
- The dimension figure for diameter of a circle should be: -
 a) Proceeded by the symbol “Ø”
 b) Suffixed by the symbol “Ø”
 c) Proceeded by the symbol “D”
 d) Suffixed by the symbol “D”
- As per SP 46 Line type “I” represents: -
 a) Continuous thick line
 b) Continuous thin free hand line
 c) Dashed thick line
 d) Dashed thin line
- The length to height ratio of closed filled arrow head is _____.
 a) 1: 3
 b) 3: 1
 c) 1: 2
 d) 2: 1

Contd...5/-



10. The space for text on drawing sheet DO NOT provides the following information: -
 - a) Name of the company, title of the drawing, scale and angle of projection used
 - b) Explanation of special symbols abbreviations and unit of dimensions
 - c) Instruction related to material, surface treatment and assembly placing
 - d) Reference made to supplementary drawings and other documents
11. Line XY is to be divided in to 12 equal parts by geometric construction. Which one of the following statements concerning this procedure is correct: -
 - a) Ray a line PY drawn from Y, is the same length as XY
 - b) The compasses should be spread equal to $1/12^{\text{th}}$ of length of XY
 - c) A line should be drawn from X to 12^{th} interval on ray line PY
 - d) The acute angle formed by XY and ray line PY should be 30° or less
12. The drawing sheet nearer to foolscape paper is _____.
 - a) A0
 - b) A3
 - c) A4
 - d) A2
13. Hatching lines are drawn at an angle of _____ to the axis or to the main outline of the sections.
 - a) 60°
 - b) 45°
 - c) 30°
 - d) 90°
14. Which angle cannot be made with either a 45 or 30/60 triangle or a combination of the two?
 - a) 90°
 - b) 70°
 - c) 30°
 - d) 15°
15. Projection of an object shown by three views is known as _____.
 - a) Perspective
 - b) Isometric
 - c) Orthographic
 - d) Oblique
16. I aligned and uni -- directional method of dimensioning, horizontal dimension line is _____ for placing the dimension.
 - a) Broken
 - b) Not broken
 - c) Inclined
 - d) None of these
17. Which tool can be used to draw a 90° angle?
 - a) 30/60 triangle
 - b) Protector
 - c) Drafting machine
 - d) All of these
18. Which type of line is part of a dimension?
 - a) Break line
 - b) Phantom lines
 - c) Extension lines
 - d) Cutting plane lines
19. If an octagon is circumscribed around the perimeter of a circle, which one of the following statement is true: -
 - a) The diameter of the circle is equal to the corners measurement
 - b) The radius of the circle is equal to the across flats measurement
 - c) The diameter of the circle is equal to the across flats measurement
 - d) The radius of the circle is equal to the across flats measurement

Contd...6/-

20. Standard drafting abbreviations as recommended by SP 46 "C/L" is used for the term: -
a) Centers b) Centre lines c) Centre to centre d) None of these
21. Which statement(s) is true about the precedence of lines?
a) A hidden line has precedence over a centre line
b) A center line has precedence over a visible line
c) A visible line has precedence over a miter line
d) All of these
22. Extension arm used with engineering compass to facilitate: -
a) To increase the gripping arm b) To draw circles of large diameter
c) To adjust distance between the legs d) To increase the accuracy
23. The two different recommended systems of placing the dimensions are _____.
a) Uni – directional and aligned systems b) Upright and inclined systems
c) Linear and oblique systems d) Linear and inclined systems
24. Name the curve traced out by a point moving in a plane such that the difference between its distance from two fixed points is constant: -
a) Ellipse b) Parabola c) Hyperbola d) Any of these
25. Which one of the following purpose is NOT SERVED by a divider?
a) Divide lines or curves into number of equal parts
b) Transfer measurements from one part of the drawing to another part
c) Make full size, reduced size or enlarged size drawing
d) Step -- off series of equal distance on the drawing

