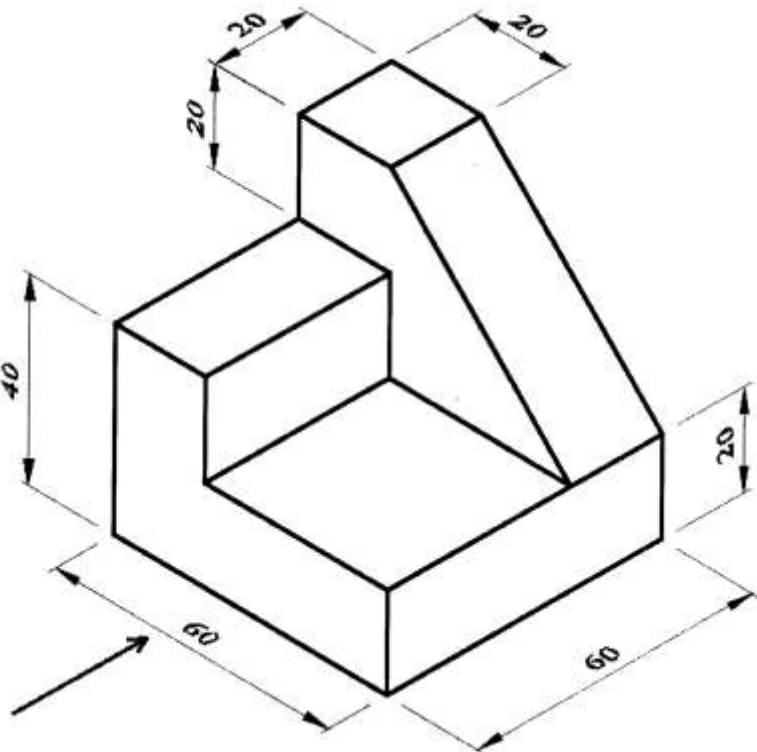


Q.24 Draw a simple scale to show metre and decimeters when 1 metre is represented by 2.5 cm on the scale. The scale should be long enough to measure up to 6 metres. (CO2)

Mark on the scale the following distances:

- a) 5 metres 5 decimeters
- b) 3 metres 7 decimetres
- c) 2 metres 1 decimetres

Q.25 Draw the top view, front view and side view of the given object shown in figure using first angle projection method. (CO2)



(20)

(4)

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No. of Printed Pages : 4
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1st Year / Advance Diploma in Tool and Die Making

Subject : Engineering Drawing

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 T-square is used for drawing _____ lines (CO1)
- a) Vertical
 - b) curve
 - c) Horizontal
 - d) all of above
- Q.2 Size of trimmed drawing sheet of size A4 is (CO1)
- a) 210 x 295
 - b) 210 x 297
 - c) 200 x 295
 - d) 200 x 297
- Q.3 Dimensioning system used in engineering drawing is (CO1)
- a) Aligned
 - b) Unidirectional
 - c) Notation system
 - d) Conventional
- Q.4 A hexagon has (CO1)
- a) Three sides
 - b) Four sides
 - c) Five sides
 - d) Six sides

(1)

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Q.5 In first angle projection, front view is projected on (CO2)

- | | |
|--------|----------|
| a) H.P | b) V.P |
| c) P.P | d) A.V.P |

Q.6 The outermost portion of thread is called (CO4)

- | | |
|----------|----------|
| a) Crest | b) root |
| c) flank | d) slope |

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define hidden line (CO2)

Q.8 Name two methods for drawing parabolas (CO1)

Q.9 Define R.F. (CO1)

Q.10 Sketches the symbol of third angle projection(CO2)

Q.11 Define assembly drawing (CO4)

Q.12 Bolts are not fully threaded on the shank (True/False) (Co4)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Give the designation and sized of drawing sheets. (CO1)

Q.14 Explain different types of lines. (CO1)

Q.15 Construct a plain scale to show metres and long enough to measure up to 60m. Take R.F is 1:400, measure a distance of 56 metres on the scale. (CO1)

Q.16 Draw a hexagon when length of a side is 60 mm (CO2)

Q.17 A Point P is 3.5 cm About H.P and 4 cm in front of V.P., draw its projections. (CO2)

Q.18 Draw the isometric projection of a cylinder of base 50 mm diameter and height 70 mm with the axis vertical and horizontal. (CO2)

Q.19 Write the general rules for dimensioning (CO3)

Q.20 Draw the front view of a hexagonal headed Bolt 24 mm diameter and 100 mm long. (CO4)

Q.21 Draw the sectional front elevation and top view of a single riveted lap joint. Diameter of rivet as 18 mm (first angle projection) (CO4)

Q.22 Write a short note on coordinate system used in AutoCAD (CO5)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Draw the following sentence in single stroke gothic lettering in the ratio of 7:4 and height of letter is 35 mm (Co1)

HONESTY IS THE BEST POLICY