

- Q.27 Define scale. Explain types of scales.
- Q.28 Give comparison of first angle and third angle projections.
- Q.29 Show the projections of a point situated placed in second quadrant.
- Q.30 If a point 10mm from the H.P. and 15mm from V.P., then for third quadrant.
- Q.31 Explain isometric scale.
- Q.32 What is the relation isometric length and true length of an object.
- Q.33 Write the method of represented section line
- Q.34 Draw a rough sketch for the development of a cylinder.
- Q.35 Show the ACME threads by rough sketch..

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Construct a diagonal scale of R.F. =1/4000 to show meters and long enough to measure up to 500 meters. Mark a distance of 374 meters and 251 meters on it.
- Q.37 Draw the development of the right circular cone of base diameter 30mm and height 42mm.
- Q.38 Define assembly drawing. Write the methods of assembly drawing.

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1st Year/Branch : Advance Diploma in Tool and Die Making Subject:- Engineering Drawing

Time : 4Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Size of trimmed drawing sheet of size A₄ is
a) 210x295 b) 210x297
c) 200x295 d) 210x310
- Q.2 9H garde pencil is
a) Hardest b) Softest
c) Medium d) None of these
- Q.3 Continuous thin line is used to show
a) Dimension line b) Leader line
c) Projection line d) All of these
- Q.4 A hidden object is shown by _____ line.
a) Dash b) Centre
c) long break d) Cutting plane
- Q.5 Section lines are generally drawn at an angle of _____ to the horizontal.
a) 30° b) 45°
c) 90° d) 60°

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Q.6 In 7:4 ratio lettering the height is taken as _____ Units.

- a) 7 b) 4
- c) 11 d) 3

Q.7 Instrumental single stroke lettering is obtained in _____ stroke of pencil.

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

Q.8 All dimensions are shown from a common base line is

- a) Chain dimensioning
- b) Parallel dimensioning
- c) Progressive dimensioning
- d) All of these

Q.9 Length of an arrow head is _____ times the thickness of arrow head.

- a) 2 b) 3
- c) 4 d) 5

Q.10 The sum of interior angles of a triangle is

- a) 90° b) 360°
- c) 180° d) 270°

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define Drawing.

Q.12 Classify engineering drawing.

Q.13 What is hidden line?

Q.14 What is the object line?

Q.15 What is normal lettering?

Q.16 Define roman lettering.

Q.17 What is sectional view?

Q.18 Define dimensioning.

Q.19 Define profile plan.

Q.20 Define pictorial projection.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain drawing board with the help of neat sketch.

Q.22 Explain different types of lines.

Q.23 Draw the following free hand take size equal to 5mm height "TECHNICAL EDUCATION"

Q.24 Name and explain types of dimensioning.

Q.25 Draw a hexagon when length of a side is 50mm.

Q.26 Draw a plain scale to show meters and decimeters when 1 meter is represented by 2.5 centimeters. The scale should be long enough to measure up to 5 meters. Marks a distance of 4 meters and 3 decimeters on the scale.