

- 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 grade 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°

(20)

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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.