

- Q.28 Give comparison of first angle and third angle projections.
- Q.29 Show the projections of a point situated placed in third quadrant.
- Q.30 If a point 10mm from the H.P. and 15 mm from V.P., then for second quadrant.
- Q.31 Explain sectional view.
- Q.32 Draw the layout of first angle projection.
- Q.33 Write the method of represented section line.
- Q.34 Draw a rough sketch for the development of a cone.
- Q.35 Show the Buttress threads by rough sketch.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Draw a full size diagonal scale to read meters. Decimeters and Centimeters. Take R.F. as 1:7 and it should be long enough to measure up to 7 meters. Indicate the following distance on the scale, 5 meters 4 decimeter 9 centimeters
- Q.37 Write general rules for orthographic projection.
- Q.38 Draw the development of a right circular cylinder of diameter 54 mm and height 74 mm.

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Mechanical Engineering Subject:-Engineering Drawing

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Size of trimmed drawing sheet of size A₃ is
a) 210 x 297 b) 297 x 420
c) 200 x 295 d) 210 x 310
- Q.2 7 H 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 Gothic lettering has all the alphabets and numeral of _____ thickness.
a) Non uniform b) Uniform
c) Both (a) and (b) d) None of these
- Q.5 Section line are generally drawn at an angle of _____ to the horizontal.

- a) 30° b) 45°
 c) 90° d) 60°
- Q.6 In 7:4 ratio lettering, the width is taken as ____ units.
 a) 7 b) 4
 c) 11 d) 3
- Q.7 Instrumental Double stroke lettering is obtained in ____ stroke of pencil.
 a) One b) Two
 c) Three d) Four
- Q.8 Full size scale is indicated as
 a) 1:1 b) 10:10
 c) 100:100 d) All of these
- Q.9 In first angle projection, top view is placed
 a) Above front view b) Below front view
 c) Both (a) and (b) d) None of these
- Q.10 The length of the top view is same as the length of
 a) Front view b) Side view
 c) Both (a) and (b) d) None of these

SECTION-B

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

- Q.11 Define engineering drawing.
 Q.12 Classify engineering drawing.

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- Q.13 What is centre line.
 Q.14 What is the gothic lettering?
 Q.15 What is free hand lettering.
 Q.16 Define condensed lettering.
 Q.17 What is angle of sectional lines?
 Q.18 Define dimensioning.
 Q.19 Define horizontal plan.
 Q.20 Define scale.

SECTION-C

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

- Q.21 Explain drafting machine with the help of neat sketch.
 Q.22 Classify engineering drawing.
 Q.23 Draw the following free hand take size equal to 25 mm height “INDIAN STANDARD INSTITUTION”
 Q.24 Name and explain types of dimensioning.
 Q.25 Draw a pentagon when length of a side is 50 mm.
 Q.26 Draw a plain scale to show meters and decimeters when 1 meter is represented by 4.5 centimeters. The scale should be long enough to measure up to 5 meters. Marks a distance of 4 meters and 7 decimeters on the scale.
 Q.27 Define scale. Explain types of scales.

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