

(20)



222015

(1)

222015

M.M. : 60

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

Q.1 An untrimmed drawing sheet having size 880 x 1230 is designed as (CO1)

- a) A_1 b) A_2
c) A_3 d) A_0

Q.2 Which of the following pencil is hardest (CO1)

- a) 2B b) 1B
c) HB d) H

Q.3 A hidden object is shown by _____ line (CO1)

- a) Dash b) Centre
c) Long break d) Cutting plane

Q.4 A Pentagon has (CO2)

- a) Three sides b) Four sides
c) Five sides d) Six sides

Q.5 In third angle projection, top view is (CO2)

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

- Q.6 The innermost portion of thread is (CO3)
 a) Crest b) Root
 c) Flank d) Slope

SECTION-B

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

- Q.7 Define Ditto line (CO1)
 Q.8 Name two methods for drawing ellipse (CO2)
 Q.9 Define representative fraction (CO3)
 Q.10 Sketch the symbol of first angle projection (CO3)
 Q.11 The Annotate tool in Auto CAD allows you to add comments, notes or dimensions to your drawing (true/false) (CO5)
 Q.12 Rivets are made of _____ material. (CO4)

SECTION-C

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

- Q.13 Enlist the major drawing instruments (CO1)
 Q.14 Classify Lettering (CO1)
 Q.15 Draw a plain scale to show metres and decimetres, when 1 m is represented by 2.5cm. The scale should be long enough to measure up to 5 m, mark a distance 4 metres and 3 decimetres on the scale (CO2)
 Q.16 Draw a pentagon when length of the side is 50 mm (CO2)
 Q.17 Give the comparison of first angle and third angle projections (CO3)

- Q.18 A Point P is 4 cm above H.P and 5 cm in front of V.P, draw its projections (CO3)

- Q.19 Draw the isometric projection of a cylinder of base 40 mm diameter and height 60 mm with the axis vertical and horizontal (CO3)

- Q.20 Describe the general rules for dimensioning (CO4)

- Q.21 Draw the front view of hexagonal nut of 30 mm diameter (CO4)

- Q.22 Write any four advantages of Auto CAD. (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)

LOK SABHA ELECTION

- Q.24 Draw a full size diagonal scale to read meters, decimetres and centimetres. Take R.F as 1 :70 and it should be long enough to measure up to 7 metres. (CO2)

Indicate the following distance on the scale.

5metres, 4 decimetres, 9 centimetres