1stYear / Advance Diploma in Tool & Die Making

Subject:- Engineering Drawing

Time : 3Hrs.   M.M. : 60

SECTION-A

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

Q.1   T-square is used for drawing _____ lines.

a)   Vertical   b)   Curve

c)   Horizontal   d)   All of above

Q.2   In _____ projection method, plane comes between observer and observer.

a)   First angle

b)   Third angle

c)   Both first angle & third angle

d)   none

Q.3   An untrimmed drawing sheet having size 880 x 1230 is designated as _____

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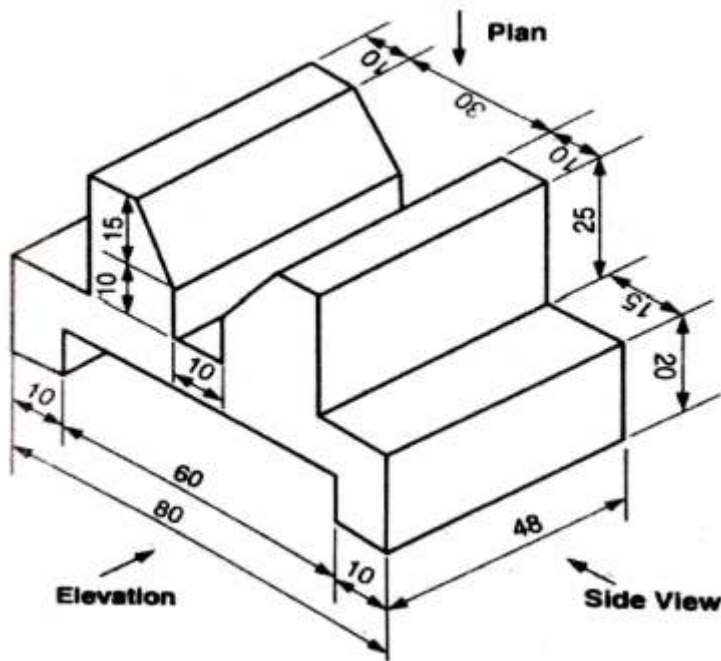
c) A_3 d) A_0

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scale should be long enough to measure upto 6 metres. Mark a distance of 5 metres and 5 decimetres on the scale.

Q.24   A cone of base 40mm diameter, axis 60mm long when it is resting with its base on H.P. Draw the projection of given cone.

Q.25   An isometric view is shown in Fig. Draw to a full size scale of the following views in first angle projection method:

i)   Sectional front view

ii)   Top view

Q.4 Shortcut for Trim command is

a) T b) TR

c) TI d) X

Q.5 In 7:4 ratio lettering, the height is taken as ____ units.

a) 11 b) 3

c) 4 d) 7

Q.6 Length of arrow head is _____ times the thickness of arrow head.

a) Three b) Two

c) Five d) Seven

SECTION-B

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

Q.7 What is size of B2 drawing board?

Q.8 In isometric projection, all lengths are _____ to true length. (equal/enlarge/for shortened/none)

Q.9 Name the two reference planes.

Q.10 In British association thread, the angle between the two flanks is _____.

Q.11 What is the use of set screw?

Q.12 _____ is a nut, in which slots are cut in a cylindrical collar provided on the top of the nut, thus overcoming the disadvantage of slotted nut.

SECTION-C

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

Q.13 A point R is 30mm above H.P. and its shortest distance from XY is 50mm. The point R lies in the first quadrant. Show plan and elevation.

Q.14 Give the 4 applications of following lines:

i) Continuous thick line

ii) Continuous thin line

Q.15 Draw a square when length of a side is 40mm.

Q.16 Draw a rough sketch for development of rectangular prism.

Q.17 Write a short note on co-ordinate system used in AutoCAD.

Q.18 Name and explain methods of dimensioning.

Q.19 Define Scale. Explain types of scales.

Q.20 Give comparison of first angle and third angle projections.

Q.21 Write the method of represented section line.

Q.22 Write any four advantages of AutoCAD.

SECTION-D

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

Q.23 Draw a plane scale to show metres and decimetres when 1 metre is represented by 2.5 centimetres. The