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28/02/2017

Term Test-I

Engineering Drawing

Year / Sem: F.E. / II
Branch: All

Date: 02/03/2017
Time: 10AM – 11AM
Marks: 15M

Note: i. All the Questions are compulsory
ii. Assume suitable data wherever necessary

Q.1 Attempt any five [1]

a) Draw pentagon of 30mm side. [1]

b) If a point lies behind VP and below HP, in which quadrant the point is? [1]

c) What is orthographic projection? [1]

d) What is a solid having four equal equilateral triangular faces is called as? [1]

e) If the entire line lies in third quadrant where will you draw its FV and TV w.r.t. x-y line. [1]

f) What is the curve generated by a point on the circumference of a rolling circle called? [1]

Q.2 a) Draw the projection of a line AB 90 mm long. Its midpoint 'm' being 50 mm above the HP and 40 mm in front of VP. The end A is 20mm above the HP and 10 mm in front of the VP. Show the inclination of line θ and φ. [5]

OR

b) Construct an Involute of a circle of radius 22mm. [5]

Q.3 a) A hexagonal prism base 25 mm side and axis 60 mm long is placed with one of its base edges on ground such that the axis is inclined at 30° to the HP. Draw its projections. [5]

OR

b) Draw TV with important Dimensioning (refer fig.1) [5]