

Shri Ramdeobaba College of Engineering and Management, Nagpur

Assignment N0:2

Engineering Drawing

For students BE First Sem Section E and Section J

Last Date of Submission 10.11.2017

Que1:- A line AB 100mm long is inclined at 50° to HP. The end A is 10mm above the HP and end B is 65mm in front of VP. Draw the projections of the line if its FV measures 90mm. Locate traces and find the inclination of the line with the VP.

Que2:-A 45° set square having longest side as 25 cm is freely suspended from the midpoint of one of the shorter sides. The plane of the set square makes 60° with vertical wall. Draw the two views of the set square.

Que3:-A pentagonal pyramid of 50mm side of base and 85mm height of axis is freely suspended by a string from one of its corner of base. Draw the projections of the pentagonal pyramid when its axis makes an angle of 30° with the VP.

Que4:-A pentagonal prism with a 25mm edge of base and a 60mm long axis is resting on a corner on the HP such that the longer edge through that corner makes 60° to the HP and 30° to the VP. Another end of the edge is in the VP. An AVP inclined at 50° to the VP and passing through the corner on the HP cuts the solids. Draw TV and sectional FV. Also draw the true shape of the section.