Assignment–2C1

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY: NELLORE

PROJECTIONS OF PLANES

ENGINEERING DRAWING 1– CSE–C & CS

PLANE INCLINED TO BOTH THE PLANES

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1. A rectangular plane of 60mm*40mm is resting on shorter edge on the ground and inclined 45^0 to V.P. The plane surface is inclined at 30^0 to H.P. Draw its projections.

[MAY 2011 ME, EEE S–1]

2. An equilateral triangle of 30mm side with the surface inclined at 60^0 to H.P, lines with one of its sides on H.P. The edge on which it rests is inclined to V.P at 45^0 to V.P. Draw its projections.

[MAY 2011 ME, EEE S–1]

3. A regular pentagon of 30mm side, has one of its corners on V.P and its surface is inclined at 60^0 to VP. The edge opposite to the corner on VP, makes an angle of 45^0 with HP. Draw the projections of the plane.

[MAY 2011 ECE S–4] [NOV 2011 CE EEE]

4. Draw the projections of a regular hexagon of 25mm side having one of its edges in HP, and inclined at 60^0 to VP and its surface making an angle of 60^0 to HP.

[MAY 2011 ME,EEE S–2]

5. A square ABCD of 50mm side has its corners A in HP its diagonal AC is inclined at 30^0 to HP and the diagonal BD is inclined at 45^0 to V.P and parallel to HP. Draw its projections.

[MAY 2011 ME, EEE S–3][MAY 2011 CSE S–3]

6. A thin 30^0–60^0 set square has its longest edge in V.P and inclined at 30^0 to H.P. Its surface makes an angle of 45^0 with V.P. draw its projections.

[MAY 2011 ME, EEE S–3][MAY 2011 CSE S–3]

7. Draw the projections of a circle of 50mm diameter resting in the HP on a point A on the circumference, its plane is inclined at 45^0 to the H.P and the top view of the diameter makes an angle of 30^0 to the VP.

[MAY 2011 CSE S-1]

8.A rectangle plane of size 60x30 has its shorter side on H.P and inclined at 30^0 to V.P. Draw the projections of the plane if its surface is inclined at 45^0 to H.P.

ASSINGNMENT SET BYMr. E. BHASKAR M.Tech