



**Government College of Engineering,
Amravati**

(an Autonomous Institute of Government of Maharashtra)

Subject: Engineering Graphics (MEU201) CT-II

Time: 1 hr. First Year B. Tech
Date: 09/ 11/ 2016

Max Marks 15
2.30 PM

Solve any three. Each question carries equal marks.

1. A map of size 500 cm \times 50cm represents an area of 6250 square kilometers. Construct a vernier scale to measure kilometers, hectometers and decameters and long enough to measure up to 7 kilometers. Indicate on this scale a distance of 5.55 kilometers.
2. Draw the projections of the following points:
 - i. P(+40 mm, +30 mm)
 - ii. Q(+30 mm, -20 mm)
 - iii. R(-30 mm, -28 mm)
 - iv. S(-25 mm, +40 mm)
 - v. T(0.00 mm, -30 mm)The same XY line can be used for all the points.
3. A line PQ, 80 mm long, is inclined at 45° to the HP and 30° to the VP. Its end P is in the HP and 40 mm in front of the VP. Draw its Projections.
4. A hexagon with a 40 mm side has a side in the VP and is inclined at 60° to the HP. The side opposite the side in the VP is 50 mm in front of the VP. Draw the three views of the hexagon.