## [B19ME1101]

## I B. Tech I Semester (R19) Regular Examinations ENGINEERING DRAWING (Common to CE,EEE \& ME) <br> Department of Mechanical Engineering MODEL QUESTION PAPER

TIME: 3Hrs.

Max. Marks: $\mathbf{7 5}$ M

## Answer ONE Question from EACH UNIT. <br> All questions carry equal marks.

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|  | OR |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 6. | A semicircular plate of 40 mm diameter has its straight edge in the VP and inclined at $45^{\circ}$ to the HP, the surface of the plate makes an angle of $30^{\circ}$ with the VP. Draw its projections. | 3 | K3 | 15 |
|  | UNIT-IV |  |  |  |
| 7. | A hexagonal pyramid, base 25 mm side and axis 50 mm long, has an edge of its base on the grnd. Its axis is inclined at $30{ }^{0}$ to the grnd and parallel to the VP. Draw its projections. | 4 | K3 | 15 |
|  | OR |  |  |  |
| 8. | Draw the projections of a cylinder 75 mm diameter and 100 mm long, lying on the grnd with its axis inclined at $30{ }^{\circ}$ to the VP and parallel to the grnd. | 4 | K3 | 15 |
|  |  |  |  |  |
|  | UNIT-V |  |  |  |
| 9. | A square pyramid with base side 40 mm and height 60 mm is resting on a cube of sides 50 mm , the axes of the cube and the pyramid being in the same line. Two sides of the base of the pyramid are parallel to the edges of the cube. Draw the isometric view. | 5 | K3 | 15 |
|  | OR |  |  |  |
| 10. | Draw (i) Front View (ii) Top View (iii) Side View of the object shown below: <br> All the dimensions are in mm | 6 | K3 | 15 |

