| Roll No. | | | | | | | | | | | | |
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# PRESIDENCY UNIVERSITY

**BENGALURU**

## Mid - Term Examinations – MARCH 2026

**Date:** 11-03-2026 **Time:** 02:00pm – 03:30pm

| | | |
|---|---|---|
| **School:** SOE | **Program:** B. Tech – Mechanical Engineering | |
| **Course Code:** MEC1006 | **Course Name:** Engineering Graphics | |
| **Semester**: II | **Max Marks**: 50 | **Weightage**:25% |

| CO - Levels | CO1 | CO2 | CO3 | CO4 | CO5 |
|---|---|---|---|---|---|
| Marks 50 | 25 | 25 | - | - | - |

**Instructions:**

*(i) Read all questions carefully and answer accordingly.*

*(ii) Do not write anything on the question paper other than roll number.*

## Part A

| **Answer the Questions** | | **2Qx25M=50M** | | |
|---|---|---|---|---|
| **1a** | A point 30mm above XY line is the front View of the three P, Q and R. The Top View of R is 40mm behind VP, the top view of Q is on XY line and top view of point is 45mm in front of VP. Draw the projections of the points & state the quadrants in which the points are situated. | **10 Marks** | **L3** | **CO1** |
| **1b** | A line PQ 75mm long has its end P in both HP and VP. It is inclined at an angle of $35^0$ to HP, and $45^0$ to VP. Draw projections of the line. | **15 Marks** | **L3** | **CO2** |
| | **or** | | | |
| **2a** | A Point "A" is 35 mm below HP, 15 mm behind VP & 25 mm from Right Profile Plane (RPP). Draw its projections and name the side view. | **10 Marks** | **L3** | **CO1** |
| **2b** | A line CD measuring 80mm is inclined at an angle of $30^0$ to HP and $45^0$ to VP. The point C is 20mm above HP and 30mm in front of VP. Draw the projections of the straight line. | **15 Marks** | **L3** | **CO2** |
| | | | | |

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|---|---|---|---|---|
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| **3a** | A Point "B" is 25 mm above HP, 30 mm in front of VP and 40mm from LPP. Draw its projections. | **10 Marks** | **L3** | **CO1** |
| **3b** | The end P of a line PQ, 70mm long is 15 mm above the HP and 20 mm in front of the VP. Q is 40mm above the HP. Its top view is inclined at 45° to the VP. Draw the projections of the line and find its true inclinations with the VP and the HP. | **15 Marks** | **L3** | **CO2** |
| | **or** | | | |
| **4a** | A point "A" is on HP and 35mm in front of VP another point "B" is on VP and below HP the line joining their front view makes an angle of 30° to XY and below while the line joining the top view makes an angle of 45° with XY line. Find the distance of point b. | **10 Marks** | **L3** | **CO1** |
| **4b** | The line PQ 85mm long has its end 10mm above HP and 15mm in front of VP. The top view and front view of a line PQ are 75mm and 80mm respectively. Draw its projection and determine the true and apparent inclinations. | **15 Marks** | **L3** | **CO2** |

******* BEST WISHES *******