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| Enroll No |
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K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
(An Empowered Autonomous Institute, affiliated to SUK)
Unit Test - II (2025-26)
F.Y. B.Tech.- (Div:- H,I,J,K)

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| Q.P. Code |
| UT 3487 |

Course Code:SH1136

Course Name: Engineering Graphics

Day & Date: Friday 28/11/2025

Time: 10:30 To 12:45

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

- | | Marks | BT
Level | COs |
|--|-----------|-------------|-----|
| Q.1 A A square prism edge of base 45 mm and height 55 mm is resting on HP on one of its base edge which makes an angle 25° with VP. The axis is inclined at an angle of 55° with HP. Draw the projection of prism. | 13 | 4 | 1 |
| OR | | | |
| A pentagonal pyramid of base edge 35 mm and axis height 60 mm is resting on one of its triangular faces on HP. The edge of base contained by that face make an angle 55° with VP. The apex is away from the observer. Draw the projection of pyramid. | 13 | 4 | 1 |
| Q.2 A A square pyramid with base 50 mm and axis height 65 mm is resting on HP with one of its base edge is perpendicular to VP. It is cut by a section plane perpendicular to VP and inclined at an angle of 35° with HP. The section plane is passing through a point on axis which is 30 mm from the apex. Draw true shape of the section. | 12 | 4 | 2 |

