RV University
School of Computer Science and Engineering B.Tech (Hons)
Degree Examination

Semester: 1st

Course Code: CS1805

Course Title: Engineering Explorations-1

Duration : 2:30 Hours

Max. Marks: 30

_____ Version 2 _____

Instructions to students:

a) Answer all the Questions
b) All the Dimensions should be in mm & Use 1:1 scale ratio

Sl. No.	PART A	Marks	L1-L6	CO
1.	A hexagonal prism 25 mm side of base and 50 mm axis length rests on HP on one of its edges. Draw the projections of the prism when the axis is inclined to HP at 45° and appears to be inclined to VP at 40°.	20	L3	CO1, CO2, CO3

Sl. No.	PART B	Marks	L1-L6	CO
2.	A square pyramid of 30 mm base sides and 50 mm long axis is centrally placed on the top of a cube of 50 mm long edges. Draw an isometric view of the pair.	10	L3	CO1, CO2, CO3

Course Outcomes: After completing the course, the students will be able to: -	
CO 1	Utilize the CAD drawing software to create 2D drawings
CO 2	Sketch the orthographic projections of points, lines, Planes and Solids.
CO 3	Sketch and draw Isometric projection of single and multiple solids using the software.
CO 4	Identify and create the interdisciplinary engineering components or systems through its graphical representation.

Marks Distribution						
L1	L2	L3	L4	L5	L6	CO1, CO2, CO3
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