Roll No												

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF DESIGN
END TERM EXAMINATION - JAN 2023

Semester : Semester III - 2021
Course Code : DES2047
Course Name : SEM III - DES2047 - Technical Design Drawing and Concepts
Program : B. Design - PD

Date : 18-JAN-2023
Time : 9.30AM - 12.30PM
Max Marks : 100
Weightage : 50%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.

PART-A

ANSWER ALL THE FOLLOWING QUESTIONS **3Q X 10M = 30M**

1. How does sketching differ from drawing, and what is sketching?

(CO1,CO2,CO4,CO3) [Knowledge]

2. Draw the cone in the required dimensions from both two-point and three-point perspectives, labelling the lines as necessary, keeping all of the vanishing points inside the page. The cone would measure 4 cm in diameter and 8 cm in height.

(CO3,CO4,CO2) [Knowledge]

3. Explain what is isometry and why is it useful in product design? Draw the isometric projections of the given figure below. Sketch according to the exact dimensions provided, the measurements provided are in mm.

(CO2,CO4,CO3,CO1) [Knowledge]

PART-B

ANSWER ALL THE FOLLOWING QUESTIONS **2Q X 15M = 30M**

4. How can cross sectional drawings be used in product design? Draw the chair's cross section in two-point perspective by keeping the cross-sectional plane is diagonal, give the product's specifications. Draw the product's orthographic views and give them clear labels.

(CO3,CO4,CO2,CO1) [Comprehension]

5. Draw the diagram illustrating the five steps for making lemon juice. Use the appropriate arrows as needed, describe them in writing, and provide a brief description of arrows.

(CO2,CO1,CO4,CO3) [Comprehension]

PART-C

VIVA / JURY **1 X 40M = 40M**

6. Present the given topic and defend the jury clarification.

(CO1,CO3,CO2,CO4) [Application]

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