GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Engineering

B.TECH Mechanical Engineering
Mid Term Examination - Nov 2023

Duration : 90 Minutes
Max Marks : 50

Sem III - G3UB305B - Machine Drawing With Solid Works

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Demonstrate the process of obtaining orthographic views for machine components.	K2	(2)
2)	Label the different types of sections used in technical drawings.	K1	(3)
3)	Illustrate the different types of sections used in technical drawings and their purposes.	K2	(4)
4)	Summarize the key elements of conventional representation in technical drawings.	K2	(6)
5)	Construct a model or prototype of a machine component using the provided specifications and drawings.	K3	(6)
6)	Experiment with different hatching techniques to accurately represent different types of sections in technical drawings.	K3	(9)
7)	Survey the different methods of obtaining orthographic views in machine drawing and classify them based on their suitability for various types of components.	K4	(8)
8)	Compare and contrast the principles of first angle projection and third angle projection, and analyze their respective advantages in engineering drawings.	K4	(12)
	OR		
	Analyze the functions and relationships between different components in a bolted joint, and draw conclusions about their overall strength.	K4	(12)