R18

ANURAG Engineering College
(An Autonomous Institution)
IV B. Tech I Semester Regular/Supplementary Examinations, Dec-2024
CAD/CAM
(MECHANICAL ENGINEERING)

Time: 3 Hours **Max. Marks: 75**

Section – A (Short Answer type questions) (25 Marks)
Answer All Questions

		Course Outcome	B.T Level	Marks
1.	Define CAD/CAM.	CO1	L1	2M
2.	List out various Memory types used in CAD/CAM.	CO1	L1	3M
3.	Requirements of Geometric Modelling.	CO2	L2	2M
4.	Describe wireframe modelling.	CO2	L2	3M
5.	Explain part family in Group Technology.	CO3	L2	2M
6.	Procedure for NC.	CO3	L2	3M
7.	Describe Inspection.	CO4	L2	2M
8.	Describe Control charts.	CO4	L2	3M
9.	List out various functions of the Handling System.	CO5	L1	2M
10.	List out various manufacturing system.	CO5	L1	3M

Section B (Essay Questions)
Answer all questions, each question carries equal marks. (5 X 10M = 50M)

			Course Outcome	B.T Level	Marks
11.	A)	Explain the functioning of an input device, display devices and storage devices.	CO1	L2	10M
		OR			
	B)	Write short notes on i) Translation ii) Scaling iii) Mirror iv) Rotation	CO1	L3	10M
12.	A)	Discuss Solid modelling and Surface modelling with advantages and Disadvantages.	CO2	L3	10M
		OR			
	B)	Classify the various basic geometric commands used in the drafting system.	CO2	L3	10M
13.	A)	Explain the features and elements of NC.	CO3	L2	10M
		OR			
	B)	Discuss about Retrieval type system and Generative type system.	CO3	L3	10M
14.	A)	Discuss Non-contact Inspection methods Optical and Non-Optical.	CO4	L3	10M
		OR			
	B)	Explain the contact type inspection method.	CO4	L2	10M
15.	A)	Computer control systems and human labor in the manufacturing systems.	CO5	L3	10M
		OR			
	B)	Explain the advantages of CIM in the manufacturing industry in detail.	CO5	L2	10M