Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code: U2103

M.E. DEGREE EXAMINATION, NOV 2024

Second Semester

CAD / CAM

21PCD203 - INDUSTRY 4.0

(Regulations 2021)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1.	(a)	Discuss about Concept framework, Road map for Industry 4.0.	CO1- U	(20)
		Or		
	(b)	How can Industry 4.0 helps the company to achieve value innovation?	CO1- U	(20)
2.	(a)	Explain about Smart Remote machinery Systems.	CO2-U	(20)
		Or		
	(b)	Explain about Laser Engineered Net Shaping, give its advantages and disadvantages of additive manufacturing	CO2- U	(20)
3.	(a)	Explain in detail about Artificial Intelligence, and AI techniques	CO3- U	(20)
		Or		
	(b)	Give detail explanation about Industrial Internet of Things (IoTs)	CO3-U	(20)
4.	(a)	What are the Recent Technological Components of Robots? Explain in detail	CO4- U	(20)
		Or		
	(b)	What is the roll of Cloud computing in a networked community?	CO4- U	(20)
5.	(a)	What is purpose of augmented reality? What is the feature of AR and What is the goal of augmented reality?	CO5-U	(20)
		Or		
	(b)	What is the Key features of virtual reality, and Explain types and applications of VR.	CO5-U	(20)