

CBCS SCHEME

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22MAR13

First Semester M.Tech. Degree Examination, Dec.2023/Jan.2024 Agile Manufacturing

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

Module – 1			M	L	C
Q.1	a.	Explain Agile Manufacturing and also explain business case of Agile Manufacturing.	10	L1	CO1
	b.	Explain conceptual aspect of agile manufacturing.	10	L1	CO1
OR					
Q.2	a.	Explain strategy driver approach in detail.	10	L1	CO1
	b.	Explain competitive advantages of organization, people and technology integration.	10	L1	CO1
Module – 2					
Q.3	a.	List and explain design principles of agile manufacturing enterprise.	10	L2	CO2
	b.	Explain agile manufacturing enterprise design problem.	10	L2	CO2
OR					
Q.4	a.	Explain roadmap to affordability through robust design simulation.	10	L2	CO2
	b.	Explain seven agile competences with neat diagram.	10	L2	CO2
Module – 3					
Q.5	a.	List and explain IT/IS concepts and strategies in agile manufacturing.	10	L2	CO3
	b.	List the contribution of multimedia to improve agility.	10	L2	CO3
OR					
Q.6	a.	List multimedia's contribution to facilitating cooperation to enhance competitiveness.	10	L2	CO3
	b.	List multimedia contribution to leverage the impact of people and information.	10	L2	CO3
Module – 4					
Q.7	a.	List IT/IS concepts in SCM.	10	L2	CO4
	b.	Discuss general frame work of enterprise integration.	10	L2	CO4
1 of 2					

OR

Q.8	a.	Explain enterprise management and agility.	10	L2	CO4
	b.	Explain relationship between agility adaptability and learning in detail.	10	L2	CO4

Module – 5

Q.9	a.	Write historical overview of skill and knowledge enhancing technologies for machines tool systems.	10	L1	CO5
	b.	Discuss skill, knowledge and task analysis.	10	L1	CO5

OR

Q.10	a.	Discuss control and feed back analysis.	10	L1	CO5
	b.	Write a note on design enhancement.	10	L1	CO5
