

U.S.N.								
--------	--	--	--	--	--	--	--	--

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

January 2024 Semester End Main Examinations

Programme: B.E.

Branch: Industrial Engineering and Management

Course Code: 22IM7DCERP

Course: Enterprise Resource Planning

Semester: VII

Duration: 3 hrs.

Max Marks: 100

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

			UNIT - I			
Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	Discuss the advantages of ERP implementation and its impact on organizational performance.	CO1	-	10
		b)	Explain the evolution of ERP, highlighting key milestones, and factors contributing to the growth of the ERP market.	CO1	-	10
			UNIT - II			
	2	a)	How can implementing an ERP system contribute to the improvement of efficiency and effectiveness during Business Process Reengineering (BPR)?	CO3	PO5	10
		b)	Discuss how an integrated SCM module within ERP improves coordination between different stages of the supply chain.	CO2	PO1	10
			OR			
	3	a)	Discuss how Closed Loop MRP addresses challenges related to dynamic changes in demand and supply.	CO4	PO3 PO4	10
		b)	How do Data Warehousing and Data Mining technologies contribute to extracting meaningful insights from large datasets within an organization?	CO3	PO5	10
			UNIT - III			
	4	a)	Explain the core principles of Just-in-Time (JIT) and Kanban in manufacturing.	CO1	-	10
		b)	Explain how the Finance module streamlines financial processes, supports budgeting, and provides insights for strategic decision-making.	CO1	-	10
			UNIT - IV			
	5	a)	Explain how ERP systems contribute to the reduction of lead time in manufacturing processes.	CO2	PO1	10

	b)	Discuss the role of ERP in implementing quality control measures throughout the production process.	CO4	PO9 PO10	10
		UNIT - V			
6	a)	How does effective project planning contribute to the success of an ERP implementation?	CO3	PO5	10
	b)	Explain the role of end-users in the ERP implementation process.	CO2	PO1	10
		OR			
7	a)	Discuss how ERP systems can adapt to new channels and business models in the evolving business landscape.	CO3	PO5	10
	b)	How does web enabling contribute to accessibility, collaboration, and user experience in ERP?	CO2	PO1	10
