

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

Autonomous Institute Affiliated to VTU

June 2025 Semester End Main Examinations

Programme: B.E.

Branch: Mechanical Engineering

Course Code: 20ME6DEDIM

Course: Digital Manufacturing

Semester: VI

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.

	8	a)	List and explain the benefits of Virtual Manufacturing.	CO4	PO1	10			
		b)	Explain the tools used in Virtual Manufacturing.			10			
OR									
UNIT - V									
	9	a)	Explain the types of product data in PLM.	CO7	PO1	10			
		b)	What is product life cycle management system, briefly explain with a sketch.			10			
OR									
	10	a)	Explain the essential role of Product Information Model in PLM?	CO7	PO2	10			
		b)	Describe the core functionalities of PLM systems.			10			
