10MR832

## Eighth Semester B.E. Degree Examination, June/July 2019

## **Product Life Cycle Management**

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

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		PART - A	
1	a.	Define PLM. How the various thought leaders have defined PLM?	(05 Marks)
	b.	Detail the opportunities and benefits of PLM.	(06 Marks)
	c.	Explain the following drivers for change,	
		i) New customer requirements	
		ii) Regulation and Deregulation.	(09 Marks)
2	a.	Explain the components of PLM.	(10 Marks)
	b.	Explain in detail the product workflow.	(10 Marks)
3	a.	Define PDM. Explain the basic functionalities of PDM system.	(10 Marks)
3	b.	Explain the following:	(
	Ů.	i) Client – server system	
		ii) PDM Database.	(10 Marks)
4		Explain the following.	
		i) Engineering vaulting	
		ii) Product Reuse	
		iii) Bill of materials iv) Marketing collaterals.	(20 Marks)
		IV) Marketing Conaterals.	(20 Marks)
		PART – B	
5	a.	Explain in detail the sources of the pre PLM problems.	(10 Marks)
	b.	Explain the various factors that affect the products progress.	(10 Marks)
6	a.	List and explain the problem faced by PLM projects.	(10 Marks)
	b.	What do you mean by digital manufacturing? Explain.	(10 Marks)
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7	a.	Explain the 5 success factors for ERP projects.	(10 Marks)
	b.	Explain the following:  i) Metadata ii) Virtual learning curve.	(10 Marks)
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8		Write short notes on the following.	
Ů		a) PLM initiatives	
		b) Best practices	
		c) PLM strategy	
		d) Assessment of PLM readyness.	(20 Marks)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.