(10 Marks)

(i) Impact of strategy

(ii) Infrastructure assessment

Seventh Semester B.E. Degree Examination, Jan./Feb. 2021

Product Life Cycle Management

Time: 3 hrs.

Max. Marks:100

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

		PART – A	
100		Define components of PLM and explain phases of PLM.	(10 Marks)
1	a.	What are the threads of PLM? Explain in detail.	(10 Marks)
	b.	What are the till eads of I Livi. Explain in	
•		Explain the characteristics of PLM.	(10 Marks)
2	a. b.	List out the drivers of PLM and explain.	(10 Marks)
	υ.		DDM Corner
3	a.	Explain Product Data Management (PDM) system and reason for implementing	PDM in an
3	u.	organization.	(10 Marks)
	b.	Explain:	
		(i) Versioning (ii) Check-in (iii) Check-out	(10 Marks)
		(iv) Views (v) Work flow	(10 1/12/15)
		he solviewed effectively using DIO	duct reuse?
4	a.	How collaborative product development can be achieved effectively using pro-	(10 Marks)
		Explain with example. What is the use of digital mock-up and prototype development in product develo	pment?
	b.	What is the use of digital mock-up and plototype development	(10 Marks)
		PART - B	
5	a.	What are the steps involved in creation of 3DXML using CAD drawing and exp	aın. (10 Marks)
3	a.		(10 Marks)
	b.	How to create an animation for assembly instruction using a composer?	(101/2011-1-)
			(10 Marks)
6	a.	How to optimize the product and parameterization of product design? Explain.	
	b.	How to optimize the product and parameterization of product design of product are the uses of publication, parameters formula, rule, check in design of product are the uses of publication, parameters formula, rule, check in design of product are the uses of publication, parameters formula, rule, check in design of product are the uses of publication, parameters formula, rule, check in design of product are the uses of publication of product are the use of publication of publication of product are the use of publication of publication of product are the use of publication of publ	(10 Marks)
_	1	What is digital manufacturing and benefit of digital manufacturing?	(10 Marks)
7	a, b		
	U	(i) Virtual learning curve	
		(ii) Manufacturing the rest	(10 Marks)
		(iii) Manufacturing the first one	(IU Maiks)
			(10 Marks)
8	3 a	. What are the PLM implementation strategies? Explain.	(20 21202
		o. Explain:	
		(1) I t of atmata axi	

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.