TUTEOR		
USIN		15ME835
The second secon	.E. Degree Examination,	•
Time: 3 hrs. 11	t Life Cycle Manage	Max. Marks: 80

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		Note: Answer any FIVE full questions.	
		D. C. DYNOE 1 1 d 1100 O CDYN	
1	a.	1	(08 Marks)
	b.	Discuss and explain briefly the components of PLM.	(08 Marks)
2		Disayes and explain the stans involved in product life expla model with a past skets	ah .
2	a.	Discuss and explain the steps involved in product life cycle model with a neat sketch	
	b.		(06 Marks)
	υ.	Summarize the five step process in implementing the FLM strategy.	(10 Marks)
3	a.	Define Engineering Design? Explain briefly the steps involved in Engineering Design	ign.
			(08 Marks)
	b.		(08 Marks)
			` , '
4	a.	Discuss and explain briefly the concepts involved in organization and decomp	
			(08 Marks)
	b.	Discuss and explain briefly the different guidelines to be followed during of	lesign for
		manufacturing and assembly.	(08 Marks)
_	_	Production of the Colombia and the Colombia	(0 < 3 % 1)
5	a.		(06 Marks)
	b.	Summarize the steps involved in estimating the market opportunities for a new pro-	
			(10 Marks)
6	a.		(10 Marks)
	b.	Explain briefly the need and benefits of product redesign.	(06 Marks)
7		Explain briefly the elements of Technology forecasting.	(O.C. Marsha)
/	a.		(06 Marks)
	D.	Define Technology forecasting. Explain briefly the methods of technology forecast	
	1		(10 Marks)
8	a.	Discuss and explain briefly the importance of Relevance tree and mission flow dia	gram used
			(08 Marks)
	b.	Explain briefly the methodologies and tools involved in product innovation process	
			(08 Marks)
9	a.	Summarize the tools involved in virtual product development.	(08 Marks)
	b.		(08 Marks)
		BANGALORE - 560 037	,
10	a.	Define product data technology. Explain briefly the different categories of pro-	
		technology.	(06 Marks)

b. Define Data Model. Explain briefly the different types of data models used in product life cycle management. (10 Marks)