(Tiffe	e nours)	
Instru	ctions:	
•	Attempt any FOUR questions	
•	All question carry equal marks	
•	Assume suitable data wherever necessary	
•	Figures to the right indicate full marks.	
•	Draw figures to support your answers wherever necessary	
Q.1	Write notes on. (Any Four)	20
	a) Product Lifecycle Phases	
	b) Reason for implementing a PDM system	
	c) Tools for virtual product development	
	d) Methodological Evolution in Product Design	
	e) Model analysis	
	f) General framework for LCCA	
Q.2 a.	State and explain end of life cycle strategies.	1
b.	Define PDM. What are the barriers to PDM implementation.	10
Q.3 a.	Define Change Management. Why Change Management is important in PLM?	10
b.	Explain the Product Design Process and its phases in the Development	10
	Process.	
Q.4 a.	Explain phases of Life Cycle Analysis in ISO Standards	10
b.	Explain the Role of FEM and CAD in VPD.	10
	Explain the Role of Levi and Crib in VIB.	
Q.5 a.	What is New Product Development (NPD)? Explain its Strategies.	10
1.	Importance of Product Design in the Context of the Product Development	14
, D.	Process.	10
	Troccas.	
· A		
Q.6 a.	Define Life Cycle Assessment (LCA). Explain the fields of Application of	10
Q.0 a.		1
h k	Life Cycle Assessment.	14
b.	Define Design for Environment. Explain the guidelines for design for	10
	environment.	
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