June 14, 2024 10:30 am - 01:30 pm 1T01437 - B.E.(Mechanical) Engineering)(SEM-VII)
(Choice Base Credit Grading System)(R- 2019-20)(C Scheme) / 42879 -
Product Lifecycle Management ILOC I   QP CODE: 10055604

Duration: 3 Hours   **Maximum Marks: 80**

N.B.: -

1. Question No 1 is Compulsory
2. Solve any three questions from remaining questions
3. Assume suitable data if required and mention it clearly
4. Figures to right indicate full marks

Q1		Solve any four of following	
	[A]	With respect to Product Life Cycle Management explain opportunities to Globalization.	5
	[B]	Explain concept of organization and decomposition in Product design	5
	[C]	Explain importance of Product Data Management System	5
	[D]	Explain need for life cycle environmental strategies.	5
	[E]	How will you develop PLM vision and PLM Strategy	5
Q2	[A]	Explain useful life extension strategies with suitable example	10
	[B]	Explain general framework for LCCA	10
Q3	[A]	Explain various barriers to PDM implementation	10
	[B]	Explain concept of digital mock-up in detail	10
Q4	[A]	Provide financial justification for PDM implementation	10
	[B]	Explain phases of LCA in ISO standards	10
Q5	[A]	What do you mean by design for X? Explain choice of Design for X tools and their use in design process	10
	[B]	Explain various Product Life Cycle phases with suitable example	10
Q6		Write short notes on:-	
	[A]	Concurrent Engineering	10
	[B]	Modelling and Simulation in Product Design	10

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