sem VII | mech| c-scheme| Nov vs | 24.11.vs
QP code - 94344
(1/1)

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	
	[A]	State and Explain few applications of PLM	5
	[B]	What do you mean by Reference Model? Explain in brief.	5
	[C]	Explain need for Life Cycle Environmental Strategies	5
	[D]	Explain limitations of Life Cycle Assessment	5
	[E]	Explain concurrent engineering.	5

Q2	[A]	What do you mean by Sustainable Development. Explain Concept of design for Environment?	10
	[B]	Explain financial justification of PDM and barriers to PDM implementation	10

Q3	[A]	Explain reasons for implementing a PDM. What are different barriers to PDM implementation	10
	[B]	What do you mean by New Product Development (NPD)? Explain concept of Product Configuration and Variant Management.	10

Q4	[A]	How will you choose Design for X Tools . Explain their Use in the Design Process	10
	[B]	Explain various Components of PDM	10

Q5	[A]	With suitable example explain importance & Benefits of PLM,	10
	[B]	Explain General Framework for LCCA	10

Q6		Write Short notes on:-	
	[A]	Digital Mock- up	10
	[B]	End-of-Life Strategies	10

****

94344