

# CRASH COURSE

USN

--	--	--	--	--	--	--	--	--	--

10ME769

## Seventh Semester B.E. Degree Examination, May 2017 Product Life Cycle Management

Time: 3 hrs.

Max. Marks: 100

**Note:** Answer any FIVE full questions, selecting atleast TWO questions from each part.

### PART – A

- 1 a. What are the features of PLM system include? (05 Marks)  
b. What are the PLM systems capabilities include? (05 Marks)  
c. List the needs for PLM. (10 Marks)
- 2 a. What are elements of PLM? Explain briefly. (10 Marks)  
b. Explain the six phases of product development process of scientific calculator as an example. (10 Marks)
- 3 a. Mention the basic components of a PDM system includes. (06 Marks)  
b. What are the importances of PDM systems? (04 Marks)  
c. How the PDM can increase revenues? (10 Marks)
- 4 a. Define Bill of Material (BOM). Explain the categories such as competency, consistency and correctness. (10 Marks)  
b. What is the concept of Digital Mock Up (DMU)? Describe in a product. (10 Marks)

### PART – B

- 5 a. Mentions the Animation Editor tools briefly explain. (10 Marks)  
b. Explain the different steps involved in an acrobat 3D documents. (10 Marks)
- 6 a. What is parameterization? Explain with an example. (10 Marks)  
b. Explain the following in products  
i) Publishing  
ii) Design table for solidwork software  
iii) Configuration of Microsoft excel worksheets  
iv) Reaction force  
v) Check solid work software (10 Marks)
- 7 a. What is Digital manufacturing? (03 Marks)  
b. What are the Benefits of Digital manufacturing Achieved based on CIM data research? (07 Marks)  
c. Describe the manufacturing the First one Ramp up and manufacturing the Rest of them (10 Marks)
- 8 a. Describe the five step processes in developing and implementing a PLM strategy. (05 Marks)  
b. What are factors impacting the company's vision. (05 Marks)  
c. What are the key points of strategy elements? (10 Marks)

\* \* \* \* \*

Important Note - 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank space. 2. Only answers appearing in communication appear to be evaluated and no questions which are 4, 6, 8, 10, will be treated as unattempted.