

Code: MEMD2T6C

**I M.Tech - II Semester – Regular/Supplementary Examinations  
JULY - 2017**

**CONCURRENT ENGINEERING  
(MACHINE DESIGN)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. Implementation of integrated product development approach compresses product development lead times. Justify. 14 M
2. What do you understand by concurrent engineering toolbox collaborative product development. 14 M
3. Explain the importance of design on the product life-cycle cost. 14 M
4. Describe the relevance of concurrent engineering in optimal structural design. 14 M
5. Explain the qualitative physical approach in design mechanism. 14 M
6. What computer based tools are used for intelligent design for manufacturing and explain their purposes. 14 M

7. Explain any one approach to evaluate design for manufacturing cost. 14 M
8. Discuss the role of decomposition in concurrent design. 14 M