

Code: MEMD2T6C

I M.Tech - II Semester - Regular Examinations – September 2015

**CONCURRENT ENGINEERING
(MACHINE DESIGN)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. Differentiate the concept of product development between concurrent engineering and traditional product development cycle & discuss the various principles of concurrent engineering. 14 M
2. Explain the procedure of CE tool box Collaborative product development. 14 M
3. Explain about the Life cycle design of products an opportunity for manufacturing enterprise. 14 M
4. Discuss the role of CE in optimal Structural Design. 14 M
5. Explain about conceptual decision mechanism – Qualitative Physical approach. 14 M
6. How do you develop an intelligent design for manufacturing system? 14 M

7. Describe the importance of design for economics. 14 M

8. Explain about the decomposition in concurrent design.
14 M