

Code: MEMD2T6C

I M.Tech - II Semester - Regular Examinations - August 2014

**CONCURRENT ENGINEERING
(MACHINE DESIGN)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. How do the Integrated Product Development model is validated? 14 M
2. Differentiate the two concepts of sequential engineering and concurrent engineering in product design and development. Emphasize the how concurrent engineering achieve the advantage in product development time, product cost and product quality. 14 M
3. Explain modality of concurrent engineering design. 14 M
4. Explain the role of concurrent engineering in optimal structural design. 14 M
5. What is the procedure to check the design process? 14 M

6. What is the procedure to design and develop an intelligent manufacturing system? 14 M
7. Clearly explain about design for economics and intelligent evaluation of manufacturing cost. 14 M
8. What type of negotiations will take place while designing a product in concurrent engineering environment? 14 M