

Code: MEMD2T6C

I M.Tech-II Semester-Regular Examinations-December 2013

**CONCURRENT ENGINEERING
(MACHINE DESIGN)**

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. Explain concept of Integrated Product Development.
What are different components which are integrated
in the product development? 14M
2. Explain the concept of collaborative product development. 14M
3. Explain the procedure for designing the product for its life
cycle and product life cycle assessment in design stage. 14M
4. Explain the optimal structural design in concurrent
engineering environment 14M
5. Explain the manufacturing analysis for tolerances and
assembly of a product. 14M

6. Explain computer based or assisted or aided assembly planning for a product.

14M

7. Explain the procedure to evaluate the manufacturing cost of a product at design stage itself.

14M

8. Explain the procedure of concurrent mechanical design.

14M