

Code: 17MEMD2T6C

I M.Tech - II Semester – Regular Examinations – AUGUST 2018

**CONCURRENT ENGINEERING
(MACHINE DESIGN)**

Duration: 3 hours

Max. Marks: 60

Answer the following questions.

1. a) Discuss the drawbacks of sequential engineering process. 8 M

b) What do you understand by integrated product development? Explain. 7 M

OR

2. Elaborate on CE toolbox collaborative product development. 15 M

3. What is meant by the term ‘design for life cycle’? Explain in detail. 15 M

OR

4. a) Explain the steps involved in optimal structural design. 8 M

b) Briefly write about design for environment. 7 M

5. a) Discuss about modeling & Reasoning for Computer based assembly planning. 8 M

b) Explain the importance of qualitative modeling behaviour. 7 M

OR

6. Discuss in detail about computer based approach to design for manufacture system. 15 M

7. How do you evaluate a design for manufacturing cost? Explain. 15 M

OR

8. Discuss in detail about decomposition in concurrent design. 15 M