PVP 17

Code: **17MEMD2T6C**

I M.Tech - II Semester – Regular/Supplementary Examinations
July 2019

CONCURRENT ENGINEERING
(MACHINE DESIGN)

Duration: 3 hours Max. Marks: 60

Answer the following questions.

1. Define concurrent engineering. With the help of a neat sketch explain Integrated Product development with reference to concurrent engineering. 15 M

OR

2. With the help of an example, explain the implementation of concurrent engineering in product development. 15 M

3. a) What do you mean by life-cycle design of products? Explain. 7 M

   b) Compile short notes on life-cycle costs. 8 M

OR

4. Discuss the role of concurrent engineering in optimal structural design. 15 M

5. Describe about an intelligent design for manufacturing system. 15 M

OR

6. Elaborate the fundamental considerations for computer based assembly planning. 15 M

7. What do you understand by design for economics? How do you take care of cost reduction in concurrent engineering? 15 M

OR

8. Discuss about decomposition in concurrent design. 15 M