**BEME5-II**

**Seventh Semester B. Tech Mechanical Engineering**

**Examination Aug/Sep-2015**

**Elective- Concurrent Engineering**

**Time:-3Hours Max. Marks: - 75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. Write a short note on modern methodologies of Concurrent Engineering.
2. What is the importance of DEMA methodology in Product development?
3. Mention the tools used in managing Concurrent Engineering.
4. Write a brief note on Concurrent Engineering.
5. How Data base Management system is different from Management Information system?
6. Write a short note on Sequential engineering.
7. What are the fundamental considerations for Computer optimized manufacturing?

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Discuss in detail about Artificial Intelligence and Expert system.
2. With the help of an example, explain the implementation of Concurrent Engineering  
   in product development.
3. Explain various Technologies to be integrated in Concurrent Engineering.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. What is Design methodology? Explain in detail about Collaborative Product Development.
2. Describe the processes related to product development in Simultaneous Design.
3. Enumerate the features of Quality Assurance and importance of Offline Reliability.