

R09

Code No: C1512

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012
CONCURRENT ENGINEERING
(MACHINE DESIGN)**

Time: 3hours

Max.Marks:60

**Answer any five questions
All questions carry equal marks**

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1. Define and explain the term concurrent engineering? Why it is concurrent? Listout and discuss about the main objectives of concurrent engineering?
2. In what way new tools and technology of Concurrent Engineering help in new product introduction? Explain.
3. Explain the phases of the computerized solution of design problem.
4. Explain sequential product development cycle in simultaneous engineering.
5. Explain about defect preventive Quality Control in manufacturing?
6. Describe the role of product speed considerations in design for performance of a quality product in Concurrent Engineering.
7. Explain integrated product and process design with a suitable example.
8. Explain the mechanisms for integrating teams in Concurrent Engineering.
