

Code No: 07A4EC12

R07

Set No. 1

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
II B.TECH II SEM-REGULAR/SUPPLEMENTARY EXAMINATIONS MAY – 2010
SOFTWARE ENGINEERING**

**Common to Information Technology, Computer Science And Engineering,
Computer Science And Systems Engineering**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. (a) Explain about structured language specifications for writing system requirements.
(b) How do we specify system requirements using standard form? [8+8]
2. (a) Discuss about metrics for software quality.
(b) Discuss about defect removal efficiency. [8+8]
3. Write short notes on:
(a) Top-down integration
(b) Regression testing
(c) Smoke testing [8+4+4]
4. Write a short notes on :
(a) Architectural style.
(b) Architectural pattern.
(c) Framework.
(d) Architectural design. [16]
5. Discuss about Formal Technical Review. [16]
6. Explain interface analysis in UI design. [16]
7. Discuss the statement, “PSP and TSP are rigorous approaches to software engineering that provides distinct and quantifiable benefits in productivity and quality”. [16]
8. Discuss an example system where social and political factors may strongly influence the system requirements. Explain why these factors are important in it. [16]
