

Code No: 07A4EC12

R07

Set No. 2

**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) What is feasibility study? Describe the feasibility study process.
(b) Write a short notes on feasibility report. [10+6]
2. (a) Explain about FTR.
(b) Explain about software assurance quality. [8+8]
3. (a) Discuss in detail the water-fall model with the help of a neat diagram.
(b) Write down the advantages and disadvantages of water-fall model. [8+8]
4. (a) Define & explain the terms object, object class, concurrent objects with example.
(b) What is dynamic inheritance? What is multiple inheritance? Discuss the merits and demerits of multiple inheritance. [8+8]
5. Explain the following terms with respect to the architectural patterns:
 - (a) Concurrency.
 - (b) Persistence.
 - (c) Distribution. [16]
6. Describe the law of conservation of organizational stability and the law of Conservation of familiarity with examples. [16]
7. Distinguish between architectural design metrics & component level design metrics. [16]
8. (a) Process is the only controllable factor in improving software quality and organizational performance. Justify your answer.
(b) Explain about project metrics. [10+6]
