

Code No: 07A4EC12

**R07**

**Set No. 4**

**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**

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1. What is software myth? Explain the management myths, the Practitioners myths, and Customers myths along with the realities. [16]
2. Explain the context model with the context of an ATM system. [16]
3. Define the following terms in OO design metric evaluation.
  - (a) Similarity
  - (b) Complexity
  - (c) Coupling
  - (d) Sufficiency
  - (e) Completeness
  - (f) Cohesion
  - (g) Primitiveness
  - (h) Volatility [2×8]
4. Discuss in detail the system requirements along with the notations for requirements specifications with suitable examples. [16]
5. (a) Explain the following features of OOPS
  - i. Message Passing
  - ii. Extensibility
  - iii. Delegation
  - iv. Genericity(b) Explain overloading of new and delete operators by giving examples. [12+4]
6. (a) What is software architecture? Explain about structured chart with an example.  
(b) Justify how modular design is an effective design method? [8+8]
7. Discuss about Formal Technical Review. [16]
8. (a) What are the steps taken to mitigate risk?  
(b) What are the factors that can be monitored?  
(c) Explain about risk management with an example. [5+5+6]

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