

**Code No: C2501****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****M.Tech I - Semester Examinations, March/April 2011****SOFTWARE REQUIREMENTS AND ESTIMATION****(SOFTWARE ENGINEERING)****Time: 3hours****Max. Marks: 60**

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

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1. What is a software requirement? Discuss in detail about risk management in requirements management. [12]
2. Elaborate about requirements engineering process in detail. [12]
3. What is requirements analysis? Explain different requirements analysis models in detail. [12]
4. What is prototyping? Explain with examples how risk is reduced through prototyping. [12]
5. Why is it not possible to implement all the requirements? How would you solve this problem? [12]
6. What is requirements traceability matrix? Explain with an example. [12]
7. Elaborate on different software estimation methods in detail. [12]
8. Write short notes on the following: [12]
  - (a) SLIM
  - (b) Change Management
  - (c) Use case modeling.