

Code No: A5805

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech I Semester Examinations, March/April-2011

SOFTWARE ENGINEERING

(COMPUTER SCIENCE & ENGINEERING)

Time: 3hours

Max. Marks: 60

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

1. a) What is software? Explain the evolving role of software in detail.
b) Explain various management myths in detail. [12]
2. Discuss any four software development process models with merits and demerits of each. [12]
3. What is requirements engineering? Explain the requirements engineering process in detail? [12]
4. a) What is design quality? Explain how design quality is assessed?
b) What is software architecture? Explain. [12]
5. What is an object oriented design? Explain the object oriented design process in detail. [12]
6. a) What is debugging? Why debugging is called an art?
b) Explain various metrics for software maintenance. [12]
7. Elaborate on test planning in detail. [12]
8. Write short notes on the following.
(a) Process patterns
(b) Object models
(c) System testing [12]
