



Reg. No. : .....

Name : .....

**First Semester M.Tech. Degree Examination, March 2014  
(2013 Scheme)**

**Computer Science Engineering And Information Security  
RCC 1004 : ADVANCED SOFTWARE ENGINEERING**

Time : 3 Hours

Max. Marks : 60

**Instruction:** Answer *any two* questions from *each* Module.

**MODULE – I**

1. a) Explain waterfall model with a neat diagram. What will happen when a prototype is applied to waterfall model ? 6
- b) Explain different processes in software development lifecycle with a suitable example. 4
2. What is serum ? How does serum differ from extreme programming ? Apply serum method in designing library management system. 10
3. Give the purpose of effort estimation. Explain algorithmic methods for effort estimation. 10

**MODULE – II**

4. a) Explain the process for capturing requirements with suitable diagram. 6
- b) Mention the role of stake holders in elicitation process. 4
5. What is a usecase ? Draw usecase diagram for banking software and describe the activities performed by different actors. 10
6. Consider a software for analysing the result of students in first semester M.Tech. Mention the requirements needed for the software and also design the software using object oriented design approach. 10

**MODULE – III**

7. a) Write short note on different types of faults found on a software. 6
- b) Compare acceptance test with installation test. 4
8. Explain any two techniques used in system testing. 10
9. Mention different steps used in test documentation and also give the importance of test analysis report. 10

