

Code: CSCS2T2

**I M.Tech - II Semester - Regular/Supplementary Examinations  
JULY - 2017**

**SOFTWARE ENGINEERING  
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Software engineering is a layered technology. Justify your answer. 7 M  
b) State and explain various software myths and reality. 7 M
2. a) Explain Spiral model with neat diagram. 7 M  
b) Differentiate between Functional and Non-functional requirements. 7 M
3. a) Explain about Feasibility study of requirements engineering process. 8 M  
b) Write short notes on behavioral models. 6 M
4. a) Explain, how the analysis model will be translated into the design model? 7 M

- b) Define coupling & cohesion. Why is a highly coupled module difficult to unit testing? 7 M
5. a) What is object oriented design? Discuss Use Case Diagrams in UML. 7 M
- b) Explain component diagrams with example. 7 M
6. a) Differentiate between Black-box and White box Testing techniques. 8 M
- b) Define Debugging. Discuss the methods of Debugging. 6 M
7. Distinguish between software Measurement and Metrics. And also discuss in detail the proactive strategies of risk management. 14 M
8. What are the formal technical reviews? Explain them. And also discuss about the ISO 9000 quality standards. 14 M