

Code: CS7T1

**IV B.Tech - I Semester – Regular Examinations – November 2015**

**SOFTWARE ARCHITECTURE  
(COMPUTER SCIENCE AND ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) What is a global Name Space? 4 M
- b) State the differences between logical and physical design. 6 M
- c) What are the measures of quality? 4 M
2. a) What is a design rule? 4 M
- b) What are the rules for member data access? 10 M
3. What is a component? Differentiate between logical and physical views of various components. 14 M
4. a) What is the difficulty in testing good interfaces? 6 M
- b) What are the effects of testing in isolation? 8 M

5. a) What are the effects of escalation and demotion? 8 M
- b) What are opaque pointers? 6 M
6. What is the cost of compile time coupling in layering, inline functions and include directives? 14 M
7. Describe any four partial insulation techniques. 14 M
8. a) How do we create and destroy opaque objects? 6 M
- b) What is the cost of insulation? What are the deciding factors for insulation? 8 M