

Code: CSCS2T2

PVP 12

**I M.Tech-II Semester-Regular Examinations-December 2013**

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

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) How should we define software? What are the software characteristics? 7M
- b) What are the techniques available for assessing the software process? 7M
2. a) Explain about incremental process model. 7M
- b) What is a structure for requirements document suggested by IEEE? 7M
3. a) Write about checks and techniques for requirements validation? 7M
- b) Write about object models? 7M

4. a) Explain about architectural styles and patterns. 7M  
b) Write about different types of user interfaces? 7M
5. a) What are the different system views that can be modeled using UML? 7M  
b) What are the different UML diagrams which can be used to capture each of the view? 7M
6. Explain about behavioral testing? 14M
7. a) What types of metrics used to measure software quality? 7M  
b) What types of risks are encountered as software is built? 7M
8. a) What are the review guidelines for formal technical reviews? 7M  
b) How to measure software reliability? 7M