

Code: CS6T4

III B.Tech - II Semester – Regular Examinations - May 2015

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

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Explain the process of creation of legacy software. 7 M
- b) What are the elements of a software process. 7 M
- 2 a) Describe how incremental process models are better than waterfall model. 7 M
- b) Explain how spiral model is used for software development. 7 M
- 3 a) Describe the process by which requirements are elicited & negotiated. 7 M
- b) Describe in the various requirement engineering tasks. 7 M
- 4 a) What are the characteristics of a good design. 7 M

- b) Explain 7 M
i) Abstraction ii) Modularity
- 5 a) What are the four basic design principles that are applicable to component-level design. 7 M
- b) Explain Work Flow Analysis. 7 M
- 6 a) Describe the differences between basis path & control structure testing. 7 M
- b) Discuss the test strategies for object oriented software. 7 M
- 7 a) Write the metrics for software measurement. 6 M
- b) How should we assess the quality of a Proposed Software Metric. 8 M
- 8 a) Describe the RMMM Plan. 7 M
- b) Explain how quality management will play a role in software development. 7 M