

III B.Tech II Semester(R05) Supplementary Examinations, May 2010
SOFTWARE ENGINEERING
(Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the recent advances in one of the leading edge software application areas among :
 - (a) Web based application. [8]
 - (b) Virtual Reality. [8]
2. Define software metrics. Why is it important and what are the steps involved? [16]
3. What are the important characteristics of an SRS? Explain the importance of each characteristic. [16]
4. (a) Explain how Data Structure oriented methods represent software requirements by focusing on data structure rather than data-flow? [8]
(b) Write similarities and differences between DSSD and JSD. [8]
5. Represent the different types of Couplings on the spectrum and explain them clearly with an example to each. [16]
6. Describe the best interface that you have ever worked with and critique it relative to the concepts introduced in user interface design. [16]
7. Describe software maintenance activities and discuss about re-engineering. [16]
8. (a) Quality, reliability and safety are related concepts, but are fundamentally different in a number of ways. Discuss them. [8]
(b) What is meant by bottom-up integration test? Explain how it is implemented? [8]