II B.Tech II Semester Examinations,April/May 2012
SOFTWARE ENGINEERING
Common to Information Technology, Computer Science And Engineering,
Computer Science And Systems Engineering
Time: 3 hours   Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is a risk? What is the need of risk measurement?   [6]
   (b) A software increment is delivered to end-users by a software team. The users uncover 8 defects during the first month of use. Prior to delivery, the software team found 242 errors during formal technical reviews and all testing tasks. What is the overall DRE for the project?   [10]

2. (a) What is meant by strategy for software testing? What are the things incorporated in the testing strategy?   [10]
   (b) Distinguish between Verification and Validation.   [6]

3. Why is there often tension between a software engineering group and an independent Software quality assurance group? Is this healthy?   [16]

4. (a) What is domain requirements? Why these are important?
   (b) Explain various problems that arise when requirements are written in natural language.   [4+4+8]

5. (a) What is meant by User Interface? What are the three areas that user interface design focuses? Explain them.   [10]
   (b) Discuss the importance of user interface design?   [6]

6. (a) What do you mean by VORD? Discuss the principal stages of it.
   (b) Discuss the advantages and disadvantages of view point.   [8+8]

7. (a) Explain about data flow and layered architectures. Differentiate between them.
   (b) Discuss the criteria used to assess an architectural design.   [6+2+8]

8. (a) What is team software process ? Discuss it's objectives.
   (b) Define the frame work activities of TSP.   [3+3+10]

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