Code :R5321905

R5

III B.Tech II Semester(R05) Supplementary Examinations, April/May 2011
SOFTWARE ENGINEERING
(Electronics & Computer Engineering)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. (a) Discuss the statement, "Companies have an aging software plant."
   (b) When will you decide to develop software in-house?

2. (a) Differentiate between prototyping and water fall models.
   (b) What is Incremental model? Discuss the ideal situations for it's applicability.

3. (a) Define usecases. Explain their purpose.
   (b) Discuss how sequence diagram add information to use case with an example.

4. Discuss about various software design concepts. Explain the role of each design concept.

5. (a) State some examples that illustrates why response time variability of user interface can be an issue.
   (b) Discuss the design principles that reduce the user?s memory load in user interface.

6. (a) Discuss the software testing steps within the context of software engineering.
   (b) Discuss the criteria for completion of testing.

7. (a) What is a risk? What is the need of risk measurement?
   (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?

8. What is meant by SQA? Discuss in detail SQA activities.

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