Subject Code: MC1341/R13

M C A - IV Semester Regular Examinations, June - 2015

SOFTWARE ENGINEERING

Time: 3 hours **Max Marks: 60**

Answer any FIVE of the following
All questions carry equal marks
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1		What are some of the project management tasks that you will do differently for a large project as compared to a small project? How will your execution of these tasks change?	[16]
2	a	What effect is the project monitoring activity likely to have on the development process?	[8]
	b	What is the relationship between a process model, process specification, and process for a project?	[8]
3	a	What is SRS? Discuss about the components of the SRS? what are the main criteria for evaluating the quality of an SRS?	[8]
	b	The basic goal of the requirements activity is to get an SRS that has some desirable properties. What is the role of modeling in developing such an SRS?	[8]
4	a	What are the different architectural styles for the component and connector structure of a system?	[8]
	b	Differentiate between component and connector view.	[8]
5	a	What is coupling and cohesion? Discuss.	[8]
	b	How will you measure the information flow complexity of a full design specified as a structure chart?	[8]
6	a	If an architecture of the proposed system has been designed specifying the major components in the system, and you have source code of similar components available in your organization's repository, which method will you use for estimation?	[8]
	b	Why are all combinations of people and months that are consistent with the effort estimate not feasible?	[8]
7	a	What is refactoring? Discuss.	[8]
	b	Suggest some possibilities on how TDD will function if programming is being done in pairs.	[8]
8	a	Discuss about pairwise testing with examples.	[6]
	b	Suppose a software has three inputs, each having a defined valid range. How many test cases will you need to test all the boundary values?	[5]
	c	Suppose for logging defects, each defect will be treated as an object of a class Defect. Give the definition of this class	[5]