FACULTY OF INFORMATICS

B.E. 3/4 (I.T.) I – Semester (Suppl.) Examination, June / July 2015

Subject: Software Engineering

Time: 3 Hours   **Max.Marks: 75**

Note: Answer all questions from Part A. Answer any five questions from Part B.

PART – A (25 Marks)

1	What do you mean by "prescriptive process models"?	2
2	What is QFD?	3
3	Why is software design considered as a blue-print?	2
4	What are the advantages of component based development?	3
5	Explain the impact of software defects on cost before testing, after testing and after deployment using a graphical representation.	3
6	Differentiate testing and debugging.	3
7	What are the elements of SCM? (List them).	3
8	What is the relation between metrics and quality?	2
9	What happens if estimation is not performed before starting a project?	2
10	List few software risks.	2

PART – B (5x10 = 50 Marks)

11	What is the advantages of using incremental process models? Explain in detail about RAD.	10
12	Explain how class based components are used for design with a proper example.	10
13	Explain in detail about validation and system testing.	10
14	What is white box testing? Explain in detail the methods in white box testing.	10
15	Explain in detail about CMM-I.	10
16	Write short notes on:	
	a) PSP	3
	b) Architecture design	4
	c) Art of debugging.	3
17	Write short notes on:	
	a) Metrics for testings	5
	b) Reactive Vs Proactive Risk Strategies.	5

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