Code No. 9118

FACULTY OF INFORMATICS

B.E. 3/4 (IT) I – Semester (Main) Examination, Dec. 2014 / Jan. 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	Define Software Engineering.	2
2	List the tasks in requirements engineering.	3
3	List the elements of scenario based modeling with an example.	3
4	How is data flow useful for architectural mapping?	2
5	Define software quality.	2
6	How is debugging done (Mention the steps)?	3
7	Differentiate black and white box testing.	3
8	How are the different views of testing helpful?	3
9	Why is effort estimation crucial?	2
10	Why is software process improvement necessary?	2

PART – B (5 x 10 = 50 Marks)

11	Explain in detail the spiral model.	10
12	What is software architecture? Explain the various architectural styles.	10
13	Explain the elements of SQA, the tasks involved in SQA and the SQA plan.	10
14	What are functional points? What is their use? How are they calculated?	10
15	Explain the detail the RMMM plan.	10
16	Write short notes on :	
	a) TSP	3
	b) Component level design	4
	c) Software reliability	3
17	Write short notes on :	
	a) Metrics for maintenance	5
	b) People - CMM	5

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