FACULTY OF ENGINEERING

B.E. 3/4 (CSE) I – Semester (Main) Examination, November 2013

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 are umbrella activities? Give an example. 2. Define personal software process. 3. Why do we use CPM (Critical Path Method)? 4. What does the requirements engineer do in the requirements elaboration phase? 5. List the goals of a good design. 6. What does a state diagram represent? 7. What is the purpose of a Data design? 8. List the Golden rules for interface design. 9. When is software said to be testable? 10. Define software quality.	3 2 2 3 3 2 3 2 3 2
PART – B (50 Marks)	
11. "The S.E.I. (Software Engineering Institute) has developed a comprehensive mode predicated on a set of software engineering capabilities that should be present as organizations reach different levels of process maturity". Explain the model in deta	
12. Explain in detail the COCOMO-II.	10
13. Explain in deta <mark>il class-based</mark> modeling.	10
14. List and explain in short the steps in architectural design process.	10
15. Explain in detail incremental integration testing and its kinds.	10
16. Write short notes on the following :	
a) AM (Agile Modeling) b) Elements of Requirements Analysis Model c) Pattern based software design	3 4 3
17. Write short notes on the following :	
a) Call-and-Return Architectural style b) Fault Based Testing c) Metrics for Analysis model	4 3 3
