

Code No. : **5244**

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FACULTY OF ENGINEERING B.E. 3/4 (CSE) I Sem. (Main) Examination, December 2011 SOFTWARE ENGINEERING

OUT TOTAL ENGINEERING		
Tin	ne: 3 Hours] [Max. M	arks: 75
	Note: Answer all questions from Part A. Answer any five questions from Part B.	
	PART – A (25	Marks)
1.	. Define "Software Engineering". What is its importante ?	3
2.	. Specifically bring out the difference between Analysis and Design.	4
3.	How do module and sub-system relate to product destribution	3
4.	What are the different size metrics?	3
5.	. With example explain glass box testing.	3
6.	What is the importance of pattern and framework?	4
7.	. How are verification and validation important individually?	2
8.	"Software maintenance is very essential". Justify.	3
	PART – B (50	Marks)
9.	a) Briefly explain the software types and its application domains.	5
	b) Explain capability maturity model.	5
10.	a) What are requirements engineering tasks? Explain validating requirements.	5
	b) What are analysis modeling approaches? Explain flow-oriented modeling.	5
11.	a) Briefly discuss about design process and design quality.b) What are the user interface design rules? Discuss the techniques for evaluation	5 of Ul. 5
12.	Explain the process of mapping the data flow diagrams into software architecture.	10
	What is pattern based software design? Describe any two patterns known to you in addition with a general pattern template.	10
14.	Explain the difference between cohesion and coupling. Discuss different types of coupling with examples.	10
15.	a) What is meant by structural complexity of a program? Write a metric for measuring	ng _

b) Distinguish between software testing methods black box and white box testing with

the structural complexity of a program.

examples.