P.T.O.



## T.E. (Information Technology) (Semester – I) Examination, 2010 SOFTWARE ENGINEERING (New) (2008 Course)

Τ	ime:	3 Hours	Max. Marks	s:100
	In	structions:	<ol> <li>Answers to the two Sections should be written in separate answer books.</li> <li>From Section I answer Q. 1 or Q. 2, Q. 3 or Q. 4, Q. 5 or Q. 6 and answer Q. 7 or Q. 8, Q. 9 or Q. 10, Q. 11 or Q from Section II.</li> <li>Neat diagrams must be drawn wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>	)r
			SECTION - I	
	b)	State and e	explain the customer's myths.	6 4
	C)	Explain the	OR	8
	1110	The state of the state of	e software process framework activities in brief. e Unified Processing model in detail.	10
		-	e requirement elicitation and requirement elaboration tasks in brie explain the traceability table for requirement management.  OR	6
		wo example	e scenario based elements of analysis model in detail. rel 0, level 1 and level 2 DFD for a library book issuing system for	8
	5. a)	i) Modula	rity	×2=8)
	b)	Explain the	e layered architecture style in detail.	8



(	5.	a)	In the context of software design explain the following in brief:  i) Information hiding  ii) Refactoring.	=8)
		b)	What are the steps involved in user interface design? How is the interface evaluation done?	8
			SECTION – II	
1	7.	a)	What are the objectives of unit testing? How is unit testing carried out?	6
		b)	What is basis path testing? What is cyclomatic complexity? How is it determined for a flow graph? Illustrate with an example.	10
			OR	
	8.	a)	What is bottom up integration testing? How is that carried out?	8
		b)	What is unit testing and integration testing in object oriented context?	8
8 .	9.	a)	What questions need to be answered in order to develop a project plan using W5HH principles?	8
		b)	What is objective of software measurement? What are the software estimation techniques based on problem decomposition? Explain any one in brief.	8
			at lexploit the continuence delicities a and requirement set <b>SO</b> from tasks in br	
10	0.	a)	What is OO metric?	8
		b)	Explain the COCOMOII estimation model.	8
1.	1.	a)	What is a risk? What are the types of software risks? Write two examples of each.	6
		b)	What is RMMM? Write a note on it.	10
			is a suitext of software design explain the following in brief:	
12	2.	a)	What is project scheduling? What are the basic principles of project scheduling?	8
		b)	Define SCM. What are the contents of SCM repository?	8