Co	de No: R22051 R10		SET - 1			
II B. Tech II Semester Regular Examinations April/May – 2013 SOFTWARE ENGINEERING						
Tir	(Computer Science and Engineering) ne: 3 hours	Max.	Marks: 75			
	Answer any FIVE Questions					
	All Questions carry Equal Marks					
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1.	<ul><li>Briefly explain:</li><li>a) Software myths.</li><li>b) Use cases.</li><li>c) Object identification.</li><li>d) Unit testing.</li></ul>					
	e) Technical risks.	(3N	4×5=15M)			
2. 3.	<ul><li>a) What are the phases of the unified process?</li><li>b) What are the functional and non-functional requirements of a Software Systema) Briefly explain requirements engineering tasks.</li></ul>	ms?	(8M+7M)			
	b) Explain in detail the behavioral models of a software system.		(8M+7M)			
4.	<ul><li>a) Explain in detail the design classes involved in software design.</li><li>b) What is an architectural pattern? Discuss various issues associated with it.</li></ul>		(8M+7M)			
5.	a) Explain in detail Thoe Mandels golden rules on interface design.					
ſ	b) Explain in detail the user analysis for a solid foundation of interface design.		(8M+7M)			
6.	a) What is the art of debugging?					
	b) what are the metrics for analysis model?		(8M+/M)			
7.	<ul><li>a) Explain in detail about risk identification.</li><li>b) Describe the RMMM plan.</li></ul>		(9M+6M)			
8.	a) What is software quality control and what are the components of the cost of o	uality	v?			
5.	b) Explain the steps involved to perform statistical software quality assurance.	1	(6M+9M)			

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Coo	le No: R22051	<b>R10</b>	SET - 2
	II B. Tech II	Semester Regular Examinations April/May – 2	2013
		SOFTWARE ENGINEERING	
т:	a 2 have	(Computer Science and Engineering)	Max Madra 75
111	ie: 3 nours		Max. Marks: 75
		Answer any FIVE Questions	
		All Questions carry Equal Marks	
1.	Briefly explain:		
	a) Personal software pr	rocess.	
	c) Object interface spa	cification	
	d) Regression testing	cincation.	
	e) Known risks.		$(3M \times 5 = 15M)$
	· · · · · · · · · · · · · · · · · · ·		( )
2.	a) Explain in detail the sp	iral model.	
	b) Explain in detail the so	ftware requirements specification.	(8M+7M)
3.	a) Briefly explain require	ments validation.	
	b) How to produce model	s for an existing system.	(8M+/M)
4.	a) Explain Abstraction, A	rchitecture. Patterns and Modularity in terms of s	oftware design.
	b) Explain in detail the so	ftware architecture.	(8M+7M)
			· · · ·
5.	a) Explain in detail the de	sign evaluation.	
	b) How do we apply inter	face design steps? Explain with an example.	(8M+7M)
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6.	a) What is system testing		
	b) Discuss about Mc Call	's Quality factors.	(8M+/M)
7.	a) What is Risk Mitigation	n, Monitoring and Management.	
	b) What is risk projection	? Explain how to develop a risk table.	(9M+6M)
8.	a) Explain in detail about	software reviews.	
	b) Explain ISO 9000 Qua	lity Standards.	(9M+6M)
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Code No: R22051		2051 <b>R10</b>	
	II B. Tech II	Semester Regular Examinations April/May – 2013 SOFTWARE ENGINEERING (Computer Science and Engineering)	
Tin	ne: 3 hours		Max. Marks: 75
		Answer any <b>FIVE</b> Questions All Questions carry <b>Equal</b> Marks	
1.	<ul> <li>Briefly explain:</li> <li>a) CMMI.</li> <li>b) Software engineering</li> <li>c) Architectural design</li> <li>d) Black-box and white</li> </ul>	g. e-box testing.	
	e) Project risks.		(3M×5=15M)
2.	<ul><li>a) Explain in detail the inc</li><li>b) Explain in detail the use</li></ul>	cremental process models. er requirements.	(8M+7M)
3.	a) What is viewpoint? engineering.	Discuss various viewpoint oriented approaches t	o requirements
	b) Describe various data n	nodels for the software system.	(8M+7M)
4.	a) Explain information hi design.	iding, functional independence and refinement conce	epts of software
	b) Briefly explain the soft	ware architecture.	(8M+7M)
5.	<ul><li>a) Explain in detail the ob</li><li>b) Explain in detail about</li></ul>	jects and object classes. user interface analysis and design.	(8M+7M)
6.	<ul><li>a) Describe validation crit</li><li>b) Explain how integration</li></ul>	eria. n testing method is applied for conventional software.	(8M+7M)
7.	<ul><li>a) Write about the metrics</li><li>b) How to assess the conse</li></ul>	for software quality? equences of a risk.	(9M+6M)
8.	<ul><li>a) What is a formal techni</li><li>b) What are the core steps</li></ul>	cal review? Explain when do we conduct formal techn of the six sigma methodology.	nical review (9M+6M)

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Co	ode No: R22051	SET - 4
	II B. Tech II Semester Regular Examinati SOFTWARE ENGINEEI	ons April/May – 2013 RING
	(Computer Science and Engin	neering)
Tir	ime: 3 hours	Max. Marks: 75
	Answer any <b>FIVE</b> Quest	ions
	All Questions carry Equal	Marks
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1.	Briefly explain:	
	a) Process assessment.	
	b) Characteristics of a good design	
	c) Design evolution.	
	d) Smoke testing.	
	e) Business risks.	(3M×5=15M)
2.	a) Explain in detail the prototyping process model with 1	nerits and demerits.
	b) Explain in detail the structured language specification	. (8M+7M)
3.	a) Explain in detail the requirements management for so	ftware systems.
	b) Briefly explain the context models associated with the	e system. (8M+7M)
4.	a) Explain the pattern based software design.	
	b) What is architectural style? Discuss various categories	s of it. (8M+7M)
5	a) Write about task analysis and modeling techniques ?	
0.	b) What are the design issues of a user interface?	(8M+7M)
6.	a) Explain metrics for the design model.	
	b) Explain metrics for object oriented testing.	(10M+5M)
7.	a) Explain in detail about software measurement.	
	b) What is risk refinement? Explain.	(10M+5M)
8.	a) How do we define software quality?	
	b) Briefly explain software reliability.	(8M+7M)

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