SR 22

St. Peter's Engineering College (Autonomous) Dullapally (P), Medchal, Hyderabad – 500100. MID – II EXAMINATION – NOVEMBER 2024								
						Dept.	:	CSM-II-I
						Academic Year 2024-25		
Subject Code	:	AS22-66ES01	Subject	:	SOFTWARE ENGINEERING			
Class/Section	:	B. Tech. (A)	Year	:	II	Semester	:	I
Duration	:	120 Min	Max. Marks	:	30	Date:	:	

BLOOMS LEVEL					
Remember	L1	Understand	L2	Apply	L3
Analyze	L4	Evaluate	L5	Create	L6

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PART – A (10x1M = 10M)

Note: Answer all Questions. Each Question carries equal marks.

Q. No		Question (s)	Marks	BL	CO
		UNIT - IV			
1	a)	Define software testing.	1M	L2	CO4
	b)	Differentiate verification and validation.	1M	L2	CO4
	c)	Define system testing.	1M	L2	CO4
	d)	Compare alpha and beta testing.	1M	L1	CO4
		UNIT – V			
	e)	Define risk projection	1M	L2	CO5
	f)	Define software quality.	1M	L2	CO5
	g)	Differentiate Reactive and Proactive risk strategies.	1M	L2	CO5
	h)	How do we assess the consequences of a risk?	1M	L1	CO5
		UNIT – III			
	i)	Define Software Architecture.	1M	L2	CO3
	j)	List out any four design concepts.	1M	L1	CO3

PART – B (20M)

Q. No		Question (s)	Marks	BL	CO
		UNIT - IV			
2	a)	Discuss in detail the art of debugging.	4M	L3	CO4
	b)	Compare Black box and white box testing – Compare.	4M	L2	CO4
		OR			
3	a)	Discuss the software testing strategy for conventional software architectures.	4M	L2	CO4

	b)	Discuss the product metrics landscape.	**4M**	L2	CO4
	UNIT – V				
4	**a)**	What are the core steps of six sigma methodology?	**4M**	L1	CO5
	b)	How does McCall categorize the factors that affect software quality?	**4M**	L2	CO5
	OR				
5	**a)**	Explain in detail Risk Mitigation, Monitoring and Management	**4M**	L2	CO5
	b)	Explain Formal Technical Reviews in detail.	**4M**	L2	CO5
	UNIT – III				
6		Explain regarding the following design concepts briefly. (i) Abstraction, (ii) Architecture, (iii) Patterns, (iv) Modularity	**4M**	L2	CO3
	OR				
7		Discuss briefly the taxonomy of architectural styles.	**4M**	L3	CO3

SET 2

St. Peter's Engineering College (Autonomous) **Dullapally (P), Medchal, Hyderabad – 500100.** **MID – II EXAMINATION – NOVEMBER 2024**						**Dept.**	**:**	**CSM-II-I**
						Academic Year 2024-25		
Subject Code	**:**	**AS22-66ES01**	**Subject**	**:**	**SOFTWARE ENGINEERING**			
Class/Section	**:**	**B. Tech. (A)**	**Year**	**:**	**II**	**Semester**	**:**	**I**
Duration	**:**	**120 Min**	**Max. Marks**	**:**	**30**	**Date:**	**:**	

BLOOMS LEVEL					
Remember	**L1**	**Understand**	**L2**	**Apply**	**L3**
Analyze	**L4**	**Evaluate**	**L5**	**Create**	**L6**

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PART – A (10x1M = 10M)

Note: Answer all Questions. Each Question carries equal marks.

Q. No		Question (s)	Marks	BL	CO
	UNIT - IV				
1	**a)**	Give the two possible outcomes of a validation test.	**1M**	L2	CO4
	b)	Compare alpha and beta testing.	**1M**	L2	CO4
	c)	Define software testing.	**1M**	L2	CO4
	d)	Explain about system testing.	**1M**	L1	CO4

	UNIT – V				
	e)	What is risk projection?	**1M**	L2	CO5
	f)	Define software quality.	**1M**	L2	CO5
	g)	What are the two characteristics of software risks?	**1M**	L2	CO5
	h)	How do we assess the consequences of a risk?	**1M**	L1	CO5
	UNIT – III				
	i)	What is the goal of design engineering?	**1M**	L2	CO3
	j)	List out Quality attributes.	**1M**	L1	CO3

PART – B (20M)

Q. No		Question (s)	Marks	BL	CO
	UNIT - IV				
2	**a)**	**)** Discuss the product metrics landscape	**4M**	L3	CO4
	b)	Compare Black ox testing and Glass box testing.	**4M**	L2	CO4
	OR				
3	**a)**	Interpret about software testing strategy for conventional software architectures.	**4M**	L2	CO4
	b)	Explain in detail the software quality factors.	**4M**	L2	CO4
	UNIT – V				
4	**a)**	Define RMMM.	**4M**	L1	CO5
	b)	What are Known risks, Predictable risks and Unpredictable risks?	**4M**	L2	CO5
	OR				
5	**a)**	Determine about the concept of Risk Mitigation, Monitoring and Management	**4M**	L2	CO5
	b)	List down the four risk projection steps.	**4M**	L2	CO5
	UNIT – III				
6		Give the UML diagrams Classification chart and its importance	**4M**	L2	CO3
	OR				
7		Discuss data design in detail.	**4M**	L3	CO3

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SET 3

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						Academic Year 2024-25		
Subject Code	:	AS22-66ES01	Subject	:	SOFTWARE ENGINEERING			
Class/Section	:	B. Tech. (A)	Year	:	II	Semester	:	I
Duration	:	120 Min	Max. Marks	:	30	Date:	:	

BLOOMS LEVEL					
Remember	L1	Understand	L2	Apply	L3
Analyze	L4	Evaluate	L5	Create	L6

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PART – A (10x1M = 10M)

Note: Answer all Questions. Each Question carries equal marks.

Q. No		Question (s)	Marks	BL	CO
		UNIT - IV			
1	a)	Explain in detail about software testing.	1M	L2	CO4
	b)	Give the importance of Verification and Validation	1M	L2	CO4
	c)	Define STLC and explain various stages	1M	L2	CO4
	d)	Give the differences between alpha and beta testing.	1M	L1	CO4
		UNIT – V			
	e)	Define & Explain the concept of risk projection	1M	L2	CO5
	f)	Define software quality and how the quality of software can be assessed.	1M	L2	CO5
	g)	Differentiate Reactive and Proactive risk strategies.	1M	L2	CO5
	h)	How do we assess the consequences of a risk?	1M	L1	CO5
		UNIT – III			
	i)	Explain in detail about Abstraction in Design concepts.	1M	L2	CO3
	j)	List out any four design concepts.	1M	L1	CO3

PART – B (20M)

Q. No		Question (s)	Marks	BL	CO
		UNIT - IV			
2	a)	Discuss in detail about types of Testing and explicit the concept of Unit Testing.	4M	L3	CO4

	b)	Define testing? Black box and white box testing – Compare.	**4M**	L2	CO4
	OR				
3	**a)**	Discuss the software testing strategy for conventional software architectures.	**4M**	L2	CO4
	b)	Explain in detail about the software quality factors.	**4M**	L2	CO4
	UNIT – V				
4	**a)**	What are the core steps of six sigma methodology?	**4M**	L1	CO5
	b)	Explain Risk refinement.	**4M**	L2	CO5
	OR				
5	**a)**	Explain in detail Risk Mitigation, Monitoring and Management	**4M**	L2	CO5
	b)	How do we assess the consequences of a risk?	**4M**	L2	CO5
	UNIT – III				
6		Explain regarding the following design concepts briefly. (i) Abstraction, (ii) Architecture, (iii) Patterns, (iv) Modularity	**4M**	L2	CO3
	OR				
7		Give the UML diagrams Classification chart.	**4M**	L3	CO3

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