Code No: P18ITT03 R18

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
SOFTWARE ENGINEERING
(CSIT Branch)

Time: 3 hours Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.		Questions	Marks	CO	KL
1	a)	Describe the characteristics of software?	[2M]	1	
	b)	Name the all levels in CMMI?	[2M]	2	
	c)	What makes the Requirement elicitation difficult?	[2M]	3	
	d)	What are the various elements of data design?	[2M]	4	
	e)	Distinguish between alpha and beta testing.	[2M]	5	

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.	a)	Discuss different software myths in detail. At least add one new myth in each category in addition to the existing ones.	[5M]	1	
	b)	What are the different natures of software? Explain about personal and team process models in detail.	[5M]	1	
		OR			
3.	a)	What do you mean by software? What are the attributes of good software? "Software does not wear-out" justify this statement.	[5M]	1	
	b)	Define CMMI. Explain in detail about the different capability levels associated with it.	[5M]	1	
		UNIT-II			
4.	a)	Which model will be used to develop the project when risk is high and explain in detail?	[5M]	2	
	b)	Explain in detail about various types of requirements associated with software product.	[5M]	2	
		OR			
5.	a)	"The unified process is an attempt to draw on the best features and characteristics of conventional software process models". Explain unified process model by keeping this statement into mind.	[5M]	2	
	b)	Write a short note on requirements engineering phases?	[5M]	2	
		UNIT-III			
6.	a)	Requirement engineering encompasses seven distinct tasks. Explain in brief?	[5M]	3	
	b)	Explain the significance of feasibility study in project development	[5M]	3	
		OR			
7.	a)	How to initiate the Requirement Engineering Process? Explain.	[5M]	3	
	b)	Discuss about Software Metrics and Measurements in brief.	[5M]	3	
		UNIT-IV			

8.	a)	Explain design concepts in detail.	[5M]	4	
	b)	Explain the process of design evolution in detail.	[5M]	4	
		OR			
9.	a)	Briefly explain the design principles.	[5M]	4	
	b)	What are the merits for Object-Oriented design process?	[5M]	4	
		UNIT-V			
10.	a)	What is integration testing? Discuss about top-down integration and bottom-up integration testing	[5M]	5	
	b)	Discuss about Statistical Software quality Assurance?	[5M]	5	
		OR			
11.	a)	What is meant by Debugging? Describe the Debugging Process.	[5M]	5	
	b)	What are the merits for Object-Oriented design process?	[5M]	5	

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