

Code No: P21CST04

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE  
(AUTONOMOUS)

II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 2023  
SOFTWARE ENGINEERING  
(Common to CSE,CSIT Branches)

Time: 3 hours

Max. Marks: 70

Answer all the questions from each UNIT (5X14=70M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
1.	a) What is Software? Explain the difference between Software Process and Software and Software Engineering	[7M]	1	1
	b) Difference between Waterfall model and Spiral model.	[7M]	1	5
OR				
2.	a) Give a brief description about software Myths and its types and Explain Customer Myths?	[7M]	1	1
	b) Define Unified Process? Explain the importance of Unified Process.	[7M]	1	1
UNIT-II				
3.	a) Explain the goals of requirements engineering process?	[7M]	2	2
	b) Describe Cohesion and Coupling?	[7M]	2	2
OR				
4.	a) Discuss in detail the user Requirements?	[7M]	2	6
	b) Explain different Approaches to Software Design.	[7M]	2	2
UNIT-III				
5.	a) Explain User Interface Design Methodology.	[7M]	3	2
	b) What is the need of Structured Design? Explain in detail	[7M]	3	1
OR				
6.	a) Discuss about Structured Analysis	[7M]	3	6
	b) What are the basic concepts present in user interface design? Explain in detail	[7M]	3	1
UNIT-IV				
7.	a) Explain the basis path testing in detail	[7M]	4	2
	b) What is the necessity of unit testing? Write down all unit test considerations	[7M]	4	1
OR				
8.	a) Explain about system testing.	[7M]	4	2
	b) Discuss the differences between black box and white box testing	[7M]	4	6
UNIT-V				
9.	a) What is Software Quality? Explain with examples	[7M]	5	1
	b) Discuss about Statistical Testing	[7M]	5	6
OR				
10.	a) Discuss the need of software maintenance	[7M]	5	6
	b) What are different process models available? Explain in detail	[7M]	5	1

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