Seat No: \_\_\_ Enrollment No: \_

## PARUL UNIVERSITY

## FACULTY OF ENGINEERING & TECHNOLOGY B Tech winter 2021 – 22 Examination

		B. Tech. winter 2021 – 22 Examination		
Semester: 5 Subject Code: 203105303 Subject Name: Software Engineering			Date: 20/10/2021 Time: 10:30am to 01:00pm	
		Software Engineering	Total Marks: 60	
	ructions:	ous someniles		
		are compulsory.  right indicate full marks.		
		e assumptions wherever necessary.		
		estion on new page.		
	1	1.6		
Q.1	<b>Objective</b>	Type Questions		(15)
	1. From b	below which model is known as classic life cycle model?		
	a)	Incremental model		
	b)	Prototyping model		
	c)	Waterfall model		
	d)	Spiral model		
	2. From b	below which concept of design is provide data about data		
		COCOCMO model		
	b)	Cyclomatic complexity		
	-	Data dictionary		
		ER-diagram		
	2 For too	ting averaged view of coffware which type of testing is used by t	octor?	
		ting external view of software which type of testing is used by to	ester!	
		Black box testing White how testing		
	-	White box testing Gray box testing		
		a and b both		
	,	ay value adjustment factor is introduced by Boehm for calculating	ng function point	
	4.110 W III.	y variet adjustificing factor is introduced by Boeinin for calculating	ng runetion point	
	a) 13	3		
	b) 14	1		
	c) 12	2		
	d) 10			
	5. What is	the full form of MTBF?		
	· ·	lean Time To Failure		
	· · · · · · · · · · · · · · · · · · ·	lean Time Between Failure		
	•	lean Time Based Failure		
	d) N	one of above		
		re is set ofthat when executed provide desired funct		
	7. The def	inition phase of s/w engineering is include task such as project p	planning and	
	8.The fun	ctional independence is measured using two qualitative criter	ia named as cohesion and	
	9	is known as functional testing.		
		is software measure that provide quantitative measure of log	ical complexity of	
	prograi	m.		
		o you mean by Process?		
	12. Define:	Software Reliability		
		Stack holder		
		you mean by Agile?		
0.2		o you mean by KLOC?		(15)
Ų.2		e following questions. (Attempt any three) ftware engineering is known as layered technology?		(15)
		hort note on: Effort and cost estimation		
	ە سىنىس رىس	non now on. Diron and cost estimation		

	C) Explain in brief: Requirement engineering task	
	D) Explain risk management in detail	
Q.3	A) Elaborate types of cohesion and coupling	(07)
	B) Explain Use case and DFD diagram with example	(08)
	OR	
	B) Explain White box testing with types	(08)
<b>Q.4</b>	A) Explain SCRUM model in detail	(07)
	OR	
	A) Write short note on : Quality Control	(07)
	B) Explain Unit testing in detail	(08)