Enrollment No:	Exam Seat No:

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Software Engineering

Subject Code: 4CS04ISE1 Branch: B.Sc.IT.

Semester: 4 Date: 24/04/2019 Time: 02:30 To 05:30 **Marks**: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.

Q1	Attempt following MCQs.								
	1)		ch is not type of coupling?						
		a)	stamp	b)	data				
		c)	function	d)	common				
	2)	Whi	ch is not type of cohesion?	type of cohesion?					
		a)	functional	b)	sequential				
		c)	procedural	d)	data				
	3)	Test	ing carried out by group of customer is	s known as					
		a)	alpha	b)	beta				
		c)	sigma	d)	none of above				
	4)	RAD	O means						
		a)	Random Application Development	b) R	apid Application Development				
		c)	Rapid Active Development	d) R	apid Active Designing				
	5)	If the	If there is a relationship established between objects, then modality value is						
		a)	-1	b)	1				
		c)	0	d)	None of these				
	6)	The	set of [I,S,O] is known as						
		a)	Test case	b)	Test suite				
		c)	Testing	d)	None of these				
	7)	State	ement coverage testing is a testing	ıg.					
	,	a)	White box testing	b)	Black Box testing				
		,	Both A and B	d)	None of the above				



	8)	COC	COMO model types are						
		a)	organic	b)	semi detached				
		c)	embedded	d)	All of the above				
	9)		is incorrect intermed	liate state that ma	v have been entered du	ring			
	- /) is incorrect intermediate state that may have been entered during program execution.							
		a)		b)	Fault				
		c)	Test case	ď)	None of these				
	10) Concept for Software quality are								
		a)	portability	b)	usability				
		c)	correctness	d)	all of the above				
	11)	ISO	standards widely us	sed in software de	evelopment industry.				
		a)	9001	b)	9002				
		c)	9003	d)	None of the above.				
	12)	Acto	rs available in	diagram					
		a)	Activity	b)	Class				
		c)	Use case	d)	None of the above.				
	13)	Num	ber of input, inquiry parame	eters used in	·				
		a)	Function Point	b)	Lines of Code				
		c)	Both A and B	d)	None of the above				
	14)	Activ	vity diagrams contains	·					
		a)	Activities	b)	Association				
		c)	Constraint	d)	All of these				
Atten	<u>npt any</u>	FOU	R from following.						
Q2	Atter	npt fol	lowing.			14			
	a) E	vnloin	class diagram with suitable	ovemple		5			
	,	-	tiate Program Vs. Software	-		5			
			note on: Spiral model	1 Toducts.		4			
			-						
Q3	Atter	npt fol	lowing.			14			
			note on: Classical waterfall		widely used?	7			
	b) W	Vhat is	COCOMO model? Explain	its all types.		7			
Q4	Atter	npt fol	lowing.			14			
	a) W	Vhat is	prototype? Explain differen	t steps of prototy	ping model.	7			
		-	alysis model is needed? Exp			7			
Q5	Atter	npt fol	lowing.			14			
		_	-						



	a) Write a note on: System Testing.b) Define coupling? Explain all types of coupling.	7		
Q6	Attempt following.	14		
	a) Define cohesion? Explain types of cohesion.b) How to measure project size? Explain project size estimation metrics.	7 7		
Q7	Attempt following.	14		
	a) Define Test case. Write a note on: White box testing.b) Define Risk. How to handle risk in software development process.	7 7		
Q8	Attempt following.			
	a) Define Unit, Stub. Write a note on: Unit Testing.b) Define activity diagram. Why we use it? Explain Activity diagram with suitable example.	7 7		



