## C.U. SHAH UNIVERSITY Winter Examination-2018

## Subject Name: Software Engineering

	Subject	Code: 4TE05SWE1	Branch: B.Tech (CE, IT)		
	Semester	r: 5 Date: 07/12/2018	Time: 10:30 To 01:30	Marks : 70	
	(2) I (3) I			nibited.	
Q-1	a)	<ul> <li>Attempt the following questions</li> <li>The most important feature of spinal</li> <li>A) requirement analysis</li> <li>B) risk management.</li> <li>C) quality management</li> <li>D) configuration management.</li> </ul>		(14	I)
	b)		f a project team to respond rapidly to a		
	c)	What combines procedures a	and tools to manage different ve ated during the software process?	rsions of	
	d)	<ul><li>Which of the following is not a di</li><li>A) Efficiency</li><li>B) Cost</li><li>C) Effort Applied</li><li>D) All of the mentioned</li></ul>	irect measure of SE process?		
	e)	SRS is also known as	testing.		
	<b>f</b> )	Differentiate: Exploratory progra	mming and modern programming		
	<b>g</b> )		process in terms of S/W development		
	<b>h</b> )		what is the meaning of debugging?		
	i) j)	Who is software project manager List project estimation techniques			
	J) k)	What is feasibility study?			
	l)	What is software maintenance?			
	m)	Can you differentiate computer so	oftware and computer program?		
• • •	<b>n</b> )	What is level-0 DFD?			
Atte	empt any f	four questions from Q-2 to Q-8			
Q-2	a) b)	Attempt all questions Explain Evolutionary process mo Compare Prototype Model and R		(14	Ð
Q-3	5	Attempt all questions		(14	I)



	a)	Compare Coupling and Cohesion. Explain different types of Coupling and its effects on software modules.	
	b)	What is Software Testing? What is the role of a Software Tester? Compare: Black Box Testing and White Box Testing.	
Q-4		Attempt all questions	(14)
	a)	What is Requirement Engineering? List the Functional and Non Functional requirement for Library Management system.	
	b)	Explain the various coding standard.	
Q-5		Attempt all questions	(14)
_	a)	Explain Software Process Improvement with various elements of SPI framework.	
	b)	Explain the role of data dictionary in analysis and design.	
Q-6		Attempt all questions	(14)
	a)	Explain Software Project Management and W <sup>5</sup> HH Principle.	
	b)	Explain Risk Management, Monitoring and Mitigation.	
Q-7		Attempt all questions	(14)
	a)	Compare: Quality Control Vs. Quality Assurance.	
	b)	Explain Design Rules for User Interface(UI).	
Q-8		Attempt all questions	(14)
	a)	Write a short note on Reverse Engineering.	
	b)	Explain CASE tools and its use in Software Engineering.	

