Registration no:															
Total :	Numb	er of P	Pages: 03											F	<u>B.TECH</u> PCS3I104
			3 <sup>rd</sup> Se	emes	ster	Rea	ular	Exa	min	atio	n 20	)16- <sup>-</sup>	17		
3 <sup>rd</sup> Semester Regular Examination 2016-17 SOFTWARE ENGINEERING															
BRANCH: CSE															
Time: 3 Hours															
Max Marks: 100															
	Q.CODE: Y705  Answer Part-A which is compulsory and any four from Part-B.														
	The figures in the right hand margin indicate marks.														
Part – A (Answer all the questions)  Q1 Answer the following questions. Write the correct alternative for (2 x										(2 x 10)					
<b>Q</b> , 1			e questi		····g	quos	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J. <b>11</b> 1	ito ti	10 00	1100	t aito	· · · · · · · · · · · · · · · · · · ·	C 101	(2 X 10)
	a)		e box tes				e test	ing te	echni	que i	s sor	netim	es cal	led? -	
		i. ii.	Glass l white b			_									
		iii.	Black b		,ourig	,									
		iv.													
	b)	i.	9001 is n Collect		ncer	ned v	vith _				ot qu	ality	records	5.	
		ii.			е										
			Verifica												
		iv.	dis-pos	sition	ing										
	c)	Sour	ce code	trans	latior	is a	part	of wh	ich re	e-eng	ginee	ring t	echniq	ue?	
	·	i.	Data re	_		ring									
		ii. iii.	Re-fac Restru												
		iv.	None of		_	tione	d								
	d)	The	testing in	whic	h co	da is	chec	ked							
	u,	i.	Black b				CITCO	Red							
		ii.	White I		,	g									
		iii. iv.	Red bo Green		_	C									
		IV.	Oleen	DUX (	.cotii l	Э									
	e)		CMM mo				-	<b>C</b> 1			.1.4				
		i. ii.	Autom Improv		_				vare	reliat	ollity				
		iii.	Test th				proc								

iv.

all of the mentioned

	τ)	i. extract abstractions ii. Renovation iii. Reclamation iv. both renovation and reclamation							
	g)	What is used to pass SQL requests and associated data from one component to another?  i. Client/server SQL interaction ii. Remote procedure calls iii. SQL Injection iv. All of the above							
	h)	Service Oriented Architecture (SOA) is  i. Strongly Coupled  ii. Loosely Coupled  iii. Strongly Cohesive  iv. Loosely Cohesive							
	i)	RUP stands for created by a division of							
	:\	<ul> <li>i. Rational Unified Program, IBM</li> <li>ii. Rational Unified Process, Infosys</li> <li>iii. Rational Unified Process, Microsoft</li> <li>iv. Rational Unified Process, IBM</li> </ul>							
	j)	How many phases are there in Scrum?  i. Two ii. Three iii. Four iv. Seven.							
Q2		Answer the following:	2 X10						
	a)	What is the Advantage of Prototype Model.?							
	b)	What is functional and non functional Software requirement?							
	c)	What is Code and Code Review.?							
	d)	What are the advantage and disadvantage of Black Box Testing.?							
	e)	What are different types of maintenance?							
	f)	What is software Crisis?							
	g)	What is SCRUM?							
	h)	What is command line interface (CLI)?							
	i)	What are the components of DFD?							
	j)	Draw the diagram of SPIRAL model.							

## Part - B (Answer any four questions)

Q3	a)	Describe prototype model with diagram.	(10)
	b)	What are the advantage and disadvantage of Spiral model?	(5)
Q4	a)	What is Black Box Testing?	(10)
	b)	What is Code and code review?	(5)
Q5	a)	Describe agile model.	(10)
	b)	What is software requirement specification (SRS)?	(5)
Q6	a)	Describe SEI CMM?	(10)
	b)	What is software Reengineering process?	(5)
Q7	a)	What is Object Oriented Design and Describe its important concepts of Object Oriented Design	(10)
	b)	What is Cohesion and coupling?	(5)
Q8	a) b)	What is cyclomatic complexity measure? Describe with example. What is software reusability?	(10) (5)
Q9	a)	What is client server technology? Describe three tiers Client -server architecture with suitable example.	(10)
	b)	What is Service-oriented architecture (SOA) and Describe its advantages and disadvantages.	(5)

Page