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Internal Assessment Test 1 – September 2019

Sub:	Software Engineering					Sub Code:	18CS35	Branch:	CSE/ISE		
Date:	6/9/19	Duration:	90 min's	Max Marks:	50	Sem / Sec:	III /A,B,C			OBE	
<u>Answer any FIVE FULL Questions</u>								MARKS	CO	RBT	
1 (a)	What are the Attributes of Good software?						[04]	CO1	L1		
(b)	Explain the Waterfall model with a neat diagram.						[06]	CO1	L1		
2 (a)	Explain an Insulin pump control system with a neat block diagram.						[08]	CO2	L2		
(b)	List the fundamental activities of Software Engineering.						[02]	CO2	L1		
3 (a)	With a neat diagram, explain the Requirement Engineering Process.						[06]	CO1	L2		
(b)	Differentiate between Functional and Non-Functional Requirements with an example for each.						[04]	CO1	L2		
4 (a)	Draw block diagram for illustrating incremental development model. State minimum two benefits and problems in the incremental development model.						[07]	CO1	L2		
(b)	Explain the different stages in Software Testing.						[03]	CO1	L1		

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		MARKS	CO	RBT
5 (a)	Elaborate the major themes that are supported in object oriented technology.	[06]	CO1	L2
(b)	Which are the models used to describe a system from different viewpoints?	[04]	CO1	L2
6 (a)	With the help of a sample class model explain the following; i. Association and Association end name ii. Qualified association iii. Association classes iv. Multiplicity	[10]	CO3	L2
7 (a)	Design a class diagram for library management system.	[03]	CO4	L3
(b)	Design a class diagram for the following group of classes; ➤ School, playground, principal, book, student, teacher, cafeteria, class room, rest room, and computer. In the class diagram, add minimum three relationships (associations, generalization). Use association names where ever needed and show multiplicity.	[07]	CO4	L3

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