USN

Internal Assessment Test I – March 2018

Sub:	Software Testing					Sub Code:	10CS842	Branch:		CSE	
Date:	14/03/2018	Duration:	90 min's	Max Marks:	50	Sem / Sec:		VIII A,B,C		OBE	
	Answer any FIVE FULL Questions								MARKS	CO	RBT
1. (a)	Why do we need to test software? Describe what a typical test case information should include.								[05]	CO1	L2
(b)	Define Error, fault, failure, Incident, Test, and Test case. Distinguish between bug and an Error.								[05]	CO1	L1
2. (a)	Briefly explain Testing using Venn Diagram.								[05]	CO2,3	L1
.(b)	Explain: i) Currency converter ii) Saturn wind shield wiper controller.								[05]	CO1	L2
3.	How to Identify Test Cases? Explain Functional Testing and Structural Testing and how they differ from each other.								[10]	CO2	L2
4. (a)	What is boundary Value Analysis? Explain the Input domain of a function variables.								[06]	CO2,3	L2
(b)	Write a short note on Limitations of Boundary value Analysis.								[04]	CO2,3	L2
5.	What is Equivalence Classes? Demonstrate the weak & strong Normal equivalence class Testing with an example.								[10]	CO2,3	L3
6.	Explain decision table structure and how to build it. Demonstrate decision table for the triangle problem with appropriate conditions and actions.								[10]	CO2,3	L3

☺~~**All the best** ~~☺