

USN 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



## Internal Assessment Test 2 – October 2019

Sub:	Software Engineering					Sub Code:	18CS35	Branch:	ISE		
Date:	12/10/19	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)	Draw a context model for Library Management System. How the interactions are modeled?					[06]	CO1	L3			
(b)	With the help of neat state diagram, illustrate the working of a telephone calling system.					[04]	CO1	L3			
2 (a)	What is Model Driven Engineering? State the three types of abstract Design models recommended by MDA. Distinguish between MDA and MDE					[08]	CO2	L2			
(b)	Draw a sequence diagram describing data collection of Air Traffic Control system.					[02]	CO2	L1			
3 (a)	What is Design pattern? Explain four elements of design pattern.					[05]	CO1	L2			
(b)	Explain terms i)OO Design using UML ii) context model iii) Dynamic Model					[05]	CO1	L2			
4 (a)	Discuss the types of testing at various stages of SDLC.					[05]	CO1	L2			
(b)	What is software reuse? State the general models of open source licenses.					[05]	CO1	L1			

P.T.O

USN 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



## Internal Assessment Test 2 – October 2019

Sub:	Software Engineering					Sub Code:	18CS35	Branch:	ISE		
Date:	12/10/19	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)	Draw a context model for Library Management System. How the interactions are modeled?					[06]	CO1	L3			
(b)	With the help of neat state diagram, illustrate the working of a telephone calling system.					[04]	CO1	L3			
2 (a)	What is Model Driven Engineering? State the three types of abstract Design models recommended by MDA. Distinguish between MDA and MDE					[08]	CO1	L2			
(b)	Draw a sequence diagram describing data collection of Air Traffic Control system.					[02]	CO4	L1			
3 (a)	What is Design pattern? Explain four elements of design pattern.					[05]	CO1	L2			
(b)	Explain terms i)OO Design using UML ii) Context model iii) Dynamic model					[05]	CO1	L2			
4 (a)	Discuss the types of testing at various stages of SDLC.					[05]	CO4	L2			
(b)	What is software reuse? State the general models of open source licenses.					[05]	CO4	L1			

P.T.O

		MARKS	CO	RBT
5 (a)	What is alpha, beta and acceptance testing.? Explain six stages of acceptance testing process	[06]	CO5	L2
(b)	Explain development testing. Explain the three levels of granularity carried out in testing.	[04]	CO1	L2
6	Draw a neat diagram and explain the four phases and nine workflows of Rational Unified Process (RUP).	[10]	CO2	L2
7 (a)	List out all the guidelines for Interface testing.	[03]	CO4	L2
(b)	Explain Test-driven development (TDD), with a block diagram Explain TDD activities and benefits of TDD.	[07]	CO4	L2

---

		MARKS	CO	RBT
5 (a)	What is alpha, beta and acceptance testing.? Explain six stages of acceptance testing process	[06]	CO1	L2
(b)	Explain development testing. Explain the three levels of granularity carried out in testing.	[04]	CO1	L2
6	Draw a neat diagram and explain the four phases and nine work flows of Rational Unified Process (RUP).	[10]	CO3	L2
7 (a)	List out all the guidelines for testing.	[03]	CO4	L2
(b)	Explain Test-driven development (TDD), with a block diagram Explain TDD activities and benefits of TDD.	[07]	CO4	L2