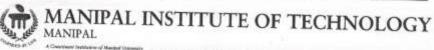
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III SEMESTER MCA END SEMESTER EXAMINATIONS, NOVEMBER/DECEMBER 2017

SUBJECT: QUALITY ASSURANCE AND TESTING [MCA 5103]

REVISED CREDIT SYSTEM (20/11/2017)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- Answer ALL FIVE FULL questions.
- Missing data may be suitable assumed.

1A.	The function Yesterdate is the inverse of next date function. Given the month date and day, Yesterdate returns the date of the day before. Write the pseudocode for Yesterdate function.														
1B.	With a neat diagram explain clean room process model.												3		
1C.	Define Fault of Omission and Fault of Commission.												2		
2A.	Discuss various methods of decomposition based integration testing with suitable example												5		
2B.	Draw the finite state machine for the SATM problem.												3		
2C.	Differentiate between regression testing and progression testing.													2	
3A.	Explain Data Based Thread Testing with suitable example.												5		
3B.	Calculate the rule count for the following table. If the rule count does not tally with the conditions, find the missing rules.														3
		C1: Month in M1	T	T	Т	T	Т	Т	F	F	Т	F	T	F	
		C2: Month in M2	Ť	F	F	T	T	Т	Т	Т	Т	Т	F	F	
		C3: Month in M3	Т	F	Т	F	T	F	T	F	Т	Т	Т	Т	
3C.	Why is	it difficul	t to tes	st a Cli	ent-Ser	ver Sy	stem? J	ustify.		-	1		1		2

