Total	No. o	of Questions: 12] SEAT No.:
P32	17	OCT -NUV-17 [Total No. of Pages: 3
		OCナートレソー17 [Total No. of Pages:3] [5256]-502
		T. Y. M. C. A. (Engineering) (Semester - V)
	S	OFTWARE TESTING AND QUALITY ASSURANCE
		(2013 Pattern)
Time	:3 H	Iours] [Max. Marks: 50
Instr	uctio	ns to the candidates:
	1)	Neat diagrams must be drawn wherever necessary.
	2)	Figures to the right side indicate full marks.
	3)	Use of Calculator is allowed.
	4)	Assume Suitable data if necessary.
Q1)	a)	Explain quality control and quality assurance with example. [4]
	b)	What is SQA? Explain SQA plan in detail. [4]
		ÖR
Q2)	a)	Explain the concept of software reliability.
	b)	What are the components of test plan? Explain execution of test plan in detail. [4]

*Q3*) a)

b)

from ATM system.

Explain V&V Model in detail.

Explain the concept of bug, error, failure with example

OR

Q4) What is test case? Write test cases for pin change service and withdraw amount

[4]

[4]

[8]

P.T.O.

Q5) a)	case for following example. [5]					
	A program calculates LIC premium as follows:					
	i) Base premium for all ages is 0.50					
. *-	ii) based on age group additional monthly premium has to be paid					
	Age group Additional premium					
	Under 35					
	35to59 2					
	Above 60> 3					
b)	What is white box testing? Explain code coverage types [4]					
	OR					
Q6) a)	Write a program to check given number is odd or even [5]					
	i) draw control flow diagram(CFD) for the above program.					
	ii) Calculate the cyclomatic complexity of the program using three					
	techniques.					
b)	Write a note on [4]					
	White box testing and Black box testing					
Q7) What is the different phases/levels software testing? Explain integration and						
	tem testing. [8]					
	OR					
<i>Q8</i> ) Wh	at is regression testing? Explain different types of regression testing with					
	mple [8]					
<b>Q9</b> ) a)	What is defect? State the different classes of defect with example. [4]					
b)	Explain web testing in detail. [4]					
	OR OR					
<i>Q10</i> )a)	Explain Defect life cycle. [4]					
	What is performance testing? Which are the different factors considered					
b)	in performance testing?					
[5256] 502						

		rei
<i>Q11</i> )a)	Short notes on:	[5]
	Selenium IDE	
b)	Explain difference between automated testing and manual testing.	[4]
	Explain difference between automated testing and OR  Short notes on:	
		[5]
Q12)a)		
	Selenium command	
b)	1000	[4]
	What is the difference between selenium and QTP.	
	CS CS CS	
		1, 3, 3, 3, 4, 1
	그 보다 하는 사람이 되었다면 되었다면 얼마를 다 바람이 되었다면 하는데 되었다면 다른데 되었다면 다른데 되었다면 다른데 되었다면 다른데 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면	