Tota	l No.	o. of Questions : 10] SEAT No. :	
P33	348	8 [Total No. o	No. of Pages : 2
		B. E. (1. T.)	
	S	SOFTWARE TESTINGAND QUALITY ASSURANCE (41	4457 C)
(2	201:	15 Pattern) (Semester - I) (End Semester Exam) (Elect	ive-II)
<i>-</i>	21		
		I'very Hours] [Max. 1. Sions to the candidates:	Marks : 70
110501	1)	Answers Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q.10.	
	2)) `
	<i>3)</i>	Figures to the right side indicate full marks.	
	<i>4)</i>	Assume Suitable data if necessary.	
01)	,		1.61
Q 1)	a)	What are various testing principles?	[6]
	b)	Explain white box testing and black box testing.	[4]
		OR	
Q 2)	a)	What is six sigma? Explain its methodologies?	[6]
Q2)			
	b)	Explain tester's role in software development organization.	[4]
<i>Q3</i>)	a)	Explain different types of system testing.	[6]
•	b)	. 6.	7141
	U)	9.	المالي الم
		OR	×.
Q 4)	a)	Draw a control flow graph for the following code and clearly I	abel each
		node so that it is linked to its corresponding statement.	
		int evensum (int i) {	
	int	t sum = 0;	[6]
		while $(i \le 10) \{ if (i/2 = 0) \}$	
		sum = sum + i; i ++;	
		return sum;	
		}	
	b)	Write a short note on FMEA.	[4]
		9.	<i>P.T.O.</i>

Q5)	a)	Exp	plain 7 QC tools in detail.	[8]	
	b)	-	plain planning for software quality assurance w.r.t. to your final y oject.	year [8]	
			OR		
Q6)	a)	Relate how components of SQA system can be applied for your final year			
			oject.	[8]	
	b)	Exp	plain product and process quality with an example.	[8]	
Q 7)	a)	Exp	plain Malcom Baldrige Model?	[8]	
	b)	Dra	aw and explain CMMI levels.	[8]	
			OR		
Q8)	a)	Wri	ite short note on following	[8]	
		(i)	CMM		
		ii)	SPICE		
	b)	Exp	plain in detail ISO 9000 model for quality assurance.	[8]	
Q 9)	a)	Wri	ite shot note on:	[10] ₀	
		i)	OO Methodology	ري.	
		ii)	Walkthrough		
	b)	Exp	plain Clean room methodology in detail along with diagram.	[8]	
			OR OR		
Q10) a)	i)	Explain Software project Internal Auditing and Assessments. [10]	
		ii)	Explain how different Case Tools affects on software Quality.		
	b)		nsider online banking system, state and inject 5 defect in the system will cause flaw in the system and suggest it's preventive measu		
•				[8]	
			6.		