Total N	No. of Questions : 10]	. 6	SEAT No. :
P26 1		[5152] 590	[Total No. of Pages : 2
		[5153]-589	•
		C. (Computer Engineer	e,
	SOI	TTWARE ENGINEER	RING
	(2012 Pattern)) (Semester - II) (3102	(52) (End Sem.)
Time ·	2½ Hours]	2, "0,	[Max. Marks : 70
	ctions to the candidates:		[171ttt 171tt 185 + 7 t
1)		3 or Q4, Q5 or Q6, Q7 or Q8,	. Q9 or Q10.
2)	Neat diagrams must	be drawn whenever necessary	2.
3)		•	(
4)	Assume suitable data	if necessary.	TERS'S
Q1) a) Describe the diffe	erent box specification in (Cleanroom engineering? [5]
b	N. T		development approach and ore traditional development [5]
Q2) a	these states repre		et of "states". Describe what, and then indicate how they ess model. [5]
b) Describe the term	n "Requirement Elicitation	". [5]
Q3) a) Discuss the impo	ortance of data abstraction	in the software design. [5]
h) Illustrate the term	cohesion and counling in t	ne context of software design?

Q4) a) Compare structured analysis and object oriented strategies for requirements analysis.[5]

OR

b) Explain the quality attributes, considered in software design. [5]

How are these concepts useful in arriving at a good design of a system? [5]

Q 5)	a)	Discuss testing. Explain unit testing process.	[5]		
	b)	Compare software testing with debugging.	[5]		
	c)	Draw the flow graph for finding maximum of three numbers and derithe test case using cyclomatic complexity.	ive [7]		
		OR			
Q6)	a)	Explain Boundary value analysis testing and orthogonal Array testing.			
	b)	Explain regression testing.	[5]		
	c)	Analyze the objectives of testing? What are Testing strategies conventional and object oriented software?	for [7]		
		6			
Q 7)	a)	Explain COCOMO II model.	[5]		
	b)	Differentiate between Measure and Metric? Identify the attributes effective Software Metric?	of [5]		
	c)	Explain Earned Value Analysis in project scheduling.	[7]		
	1	OR			
Q8)	a)		[5]		
	b)	Describe project scheduling? What are the basic principles of projecteduling?	ect [5]		
	c)	Illustrate process decomposition? What are the work tasks communication process using process decomposition?	for [7]		
Q9)	a)	Explain Aspect oriented software engineering.	[5]		
	b)	Describe Z specification Language?	[5]		
	c)	Discuss architectural patterns in details.	[6]		
		OR OR			
Q10,) a)	Illustrate the client server computing.	[5]		
	b)	Interpret the benefits and problems of reusing software when developinew systems?	ing [5]		
	c)	Explain Distributed software engineering?	[6]		
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		A. A			
[515	[5153]-589				