Q. P. Code: 36926

		(2 ½ Hours)	[Total Marks: 75]	
N.B.	1) All questions are computed. Figures to the right indicates are computed to the right indicates and the right indicates are computed to	cate marks.		
	3) Illustrations, in-depth at4) Mixing of sub-questions	O	will be appreciated.	
Q. 1	Attempt All (Each of 5M			(15M)
(a)	Multiple Choice Question	27 1 7 2 1 7	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	SYNDAY S
	· ·	0-1 NO (NY ANY)	ibraries and tables across	
	topology of hardware are	e called		
	a. Deployment diag	rams		
	b. use case diagrams			
	c. sequence diagram	is of the state of		3,00
	d. collaboration diag	rams		
	2. The UML supports eve		ing diagrams	
	a. Deployment		180 4 8 8 5 V V 8 8 8 8	
	b. Collaboration			
	c. State chart			
	d. All of the mentione	d		
	3. The mo	del stipulates that the re	equirements be completely	
	specified before the res	t of the development ca	n processed.	
	a. Waterfall			
	b. Rapid Application			
	c. Iterative Developm			
	d. Incremental Devel	opment		
	4. Project Risk factor is co	onsidered in which mod	p19	
	a. Spiral model	msidered in which mod	ici;	
2000	b. Waterfall model			
	c. Prototyping model			
	d. None of the above			
A BO	5. Test Conditions are de	rived from		
NO L	a. Test Design			
	b. Test Cases			
Sylver	c. Test Data			
	d. Specifications			
(b)	Fill in the blanks:			
	1. ISO stands for			
NO.	2. SRS stands for			
STORY N	3. SQA stands for			
	4. COCOMO stands for			
2	5 CMM stands for			

(c)	Answer in 1 – 2 lines		
()	1. What is software re-engineering?		
	2. Define uml in software engineering?		
	3. What is software metrics?		
	4. What is software quality in software engineering?	BOY CHILLY	
	5. What is verification and validation?		
Q. 2	Attempt the following (Any THREE)	(15M)	
(a)	State and explain the activities in SDLC.		
(b)	Draw use case diagram for Car Rental System.		
(c)	What is SRS? State and explain its types		
(d)	What is component diagram? Draw and explain symbols for the same		
(e)	Explain Agility and write its advantages and disadvantages.		
(f)	How to draw and where to use Deployment diagram.		
Q. 3	Attempt the following (Any THREE)	(15M)	
(a)	State the disadvantages of LOC. How is it different from COCOMO?	, ,	
(b)	Explain Software user interface design.		
(c)	Write the scope of software metrics.		
(d)	Explain software design specification.		
(e)	Explain Project Scheduling.		
(f)	Explain Empirical Estimation model.		
Q. 4	Attempt the following (Any THREE)	(15)	
(a)	Define Test Case, Test Oracle, Test Plan	` ,	
(b)	What are the errors found while doing Black Box Testing?		
(c)	What is Risk management? Explain Software risk management process.		
(d)	What is Quality Assurance? What are Quality Assurance Criteria.		
(e)	What is Structural testing? Write its advantages and disadvantages.		
(f)	Explain Capability Maturity Model.		
Q. 5	Attempt the following (Any THREE)	(15)	
(a)	State all and write down a short note on any 3 fact finding techniques.		
(b)	What is coupling and cohesion?		
(c)	Explain Verification and Validation.		
(d)	Define and explain ISO Quality Standards.		
(e)	What is Cyclomatic complexity? Explain with an example.		
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