Q. P. Code: 36926

		(2 ½ Hours)	[Total Marks: 75]	
N.B.	1) All questions are compu	ilsory.		
	2) Figures to the right indi	cate marks.		
	3) Illustrations, in-depth ar		s will be appreciated.	
	4) Mixing of sub-questions	· ·	T T	
	1) 1.11.11.1g of our questions			- d
Q. 1 (a)	Attempt All (Each of 5M Multiple Choice Question 1 Diagrams which are us	ons:	s, libraries and tables across	(15M
	topology of hardware are		s, moranes and tables across	
	a. Deployment diag	rams		
	b. use case diagrams		Ca.	
	c. sequence diagram			
	d. collaboration diag		4	
	2. The UML supports eve		usingdiagrams	
	a. Deployment	C		
	b. Collaboration			
	c. State chart			
	d. All of the mentioned	1.1	1	
		-	requirements be completely	
	specified before the re	st of the developme	nt can processed.	
	a. Waterfall	D 40 D D		
	b. Rapid Application)	
	c. Iterative Developnd. Incremental Devel			
	u. merementar bever	opment		
	4. Project Risk factor is co	onsidered in whichm	odel?	
	a. Spiral model			
	b. Waterfall model			
	c. Prototyping model			
	d. None of the above			
	5. Test Conditions are de	rived from		
	a. Test Design			
	b. Test Cases c. Test Data			
0	d. Specifications			
~ (a. Specifications			
(b)	Fill in the blanks:			
	1. ISO stands for			
	2. SRS stands for			
	3. SQA stands for			
	4. COCOMO stands for			
	5. CMM stands for			

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` ,	1. What is software re-engineering?			
	2. Define uml in software engineering?			
	3. What is software metrics?	8 61 67 A		
	4. What is software quality in software engineering?			
	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.			
	\$\frac{12}{2}\frac{12}{2}\frac{1}			
Salar S	************************			

(c)

Answer in 1-2 lines