Printed Pages:2	Roll No.	Sub Co	ode: KDS	5-063	
Paper Id: 236665	210111101	L il-			<u>.</u>
(SEM VI) THEOD	B. TECH. RY EXAMINATI RE ENGINEER	ION 202 ING	22-23		
Time: 3 Hours					Marks: 100
Note: Attempt all Sections. If require an	y missing data; th	en choos	se suitab	ly.	
	SECTION A				
1. Attempt all questions in brief.					$2 \times 10 = 20$
(4) What is the prime objective of What do you mean by spiral m	software engineer odel?	ing?			
	quirements of soft	ware?			
(d) What are the non-functional red (d) What is data dictionary? How it (e) Why software architecture is im	is it used in softwa	re engin	eering?		
Why software architecture is im		are proce	288?		
How do you evaluate user inter	race?				
What is stress testing?  What are the roles of testing to	ols?		$\mathbf{O}_{\mathbf{A}}$		
(i) What are the roles of testing to		are deve	lopmen	t.	
(j) How do you estimate time requ					ı
					79
5	SECTION B				
2. Attempt any three of the following	ing:			ما ينا المعادي	10x3=30
(a) List several software process par	adigms. Explain h	ow both	water fa	allamoo	iel and
prototyping model can be according to the prototyping to the prototyping model can be according to the prototyping to th	collecting the so	piral pro oftware r	cess mod equirem	iol. ents a	nd how are
Explain data architectural and pr	ocedural design fo				
What do you mean by integration Discuss briefly on software main	n testing? Explain	and hav	icomes. v do voi	estim	ate the cost
involved?					
	ECTION C		j		
	ECTION C				10110
3. Attempt any one part of the foll	owing:				10x1=10

- (a) Explain the bath tub curve of hardware reliability.
- . What is RAD model? Explain it with its advantages and disadvantages in brief.

## Attempt any one part of the following:

10x1=10

- (a) Discuss the various Mc Call's quality factors with quality triangle.
- Discuss the Data dictionary and decision table with appropriate notations. What is the significance of them in software requirement process?

5.	(4)	Attempt any one part of the following:  Draw the software design framework and discuss the elements of design Define coupling and cohesion with their types.	10x1=10 gn model.
б.		Attempt any one part of the following:	10x1=10
	(b)	Discuss equivalence classes testing method with an example.  Given code:	
		INPUT A & B	
		C = A + B	
		IF C>100	
		PRINT "ITS DONE"	
		END IF	
		IF A>50	
		PRINT "ITS PENDING"	
		END IF.	
		How many test cases would be required for maximum coverage? State	the procedure.
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7.

10x1=10

- Attempt any one part of the following:

  (a) Discuss the prious types of software re-engineering approaches.
- What are the different types of risks? Discuss the version control.