~		Sub Code: KDS-	-063
Printed I Paper Id		Roll No.	
Paper Iu	23,1000		
	R. 7	ГЕСН.	
	(SEM VI) THEORY I	EXAMINATION 2022-23	
ì	SOFTWARE	ENGINEERING	
Time: 3		_	otal Marks: 100
Note: A	ttempt all Sections. If require any mi	ssing data; then choose suitably	y.
	SEC	TION A	
1. A	Attempt all questions in brief.		$2 \times 10 = 20$
(4)	What is the prime objective of softw	vare engineering?	
(B)	What do you mean by spiral model	?	
	What are the non-functional require	ements of software?	
Z	What is data dictionary? How is it u		
(c) (d) (d)	Why software architecture is importa		
رور.	How do you evaluate user interface		
8	_		
(g)	What are the relate of testing tools?		
1 (h)	What are the roles of testing tools?	ation in software development	
√ (i)	List out the importance of cost estim	for a deteriore development by	niect?
(j)	How do you estimate time required	for a soutware development pre	,,co.,
	,	area of the second of the seco	· · · · · · · · · · · · · · · · · · ·
	SECT	TION B	€
	the followings		10+3=30
	Attempt any three of the following:		10x3=30
👡 (a)	List several software process paradig	ms. Explain how both water fall	imodel and
(b)	prototyping model can be accommod Explain the ways and means for col	lecting the software requireme	nts and how are
(0)	they organized and represented?		
المصكرة	Explain data architectural and proced	ural design for a software.	
16)	What do you mean by integration test	ting? Explain their outcomes.	
	Discuss briefly on software maintena	nce activities and how do you	estimate the cost
	involved?	and the second s	
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		TION C	
3. A	ttempt any one part of the following	ig:	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.
- المنا Discuss the Data dictionary and decision table with appropriate notations. What is the significance of them in software requirement process?

5.	Attempt	ลทง	one	nant	40			
		у	one	part	OI.	the	following	σ,

10x1 = 10

- (a) Draw the software design framework and discuss the elements of design model.
- (b) Define coupling and cohesion with their types.

б. Attempt any one part of the following:

10x1=10

Discuss equivalence classes testing method with an example.

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.

Attempt any one part of the following: 7.

10x1=10

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