A Reg. No. :												
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Question Paper Code: 95C04

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2024

Third Semester

	C	omputer Science an	d Business Systems		
	21	UCB304– SOFTWA	ARE ENGINEERING	+	
		(Regulation	ons 2021)		
Dura	tion: Three hours			Maximum: 100	Marks
		Answer AL	L Questions		
		PART A - (10 x	x 1 = 10 Marks		
1.	is not suital		CO1- U		
	(a) RAD Model (b) Waterfall Model	(c) Build & Fix Mo	odel (d) Proto	typing
2.	is a cyclic model and it is flexible changes are allowed?				
	(a) RAD Model (b) Waterfall Model	(c) Spiral Model	(d) Prototyp	ing
3.	The SRS document is a	lso known as	specification		CO1- U
	(a) Black box (b) White box	(c) grey box	(d) none of t	the above
4.	Which one of the follow	wing is not a Require	ements Engineering Ta	ask?	CO1- U
	(a) Negotiation (b) Elaboration	(c) Specification	(d) Authent	ication
5.	5. The importance of software design can be summarized in a single word				
	(a) accuracy	(b) complexity	(c) efficiency	(d) quality	
6.	Which design model is equivalent to the detailed drawings of the access points and external utilities for a house?				
	(a) architectural design		(b) component lev	vel design	
	(c) data design		(d) interface desig	gn	
7.	When we have to stop t	the testing?			CO1- U
	(a)The faults have been fixed		(b) All the tests ru		
	(c) The time completed		(d) The risk is res	solved	
8.	What are the different l			CO1- U	
	(a) Integration testing	(b) Unit testing	(c) System testing	(d) All of the ab	ove

9.	to be monitored a nd the project to be controlled, is called,							
	(a) l	Project tracking	(b) Project scheduling					
	(c) l	Project network	(d) Project monitoring					
10	Tec	C	01 - U					
	(a) S	System development	(b) Quality and timeliness					
	(c) S	System integration	(d) All of the above					
		PART – B (5 :	x 2= 10 Marks)					
11								
12		lyze about the requirement engineering managed.	g process and how the requirem	ents CO3	- Ana			
13	List	the principles of a software design.		CO1- U				
14	Wha	at are the Internal and External Views	of Testing?	CO1- U				
15	List out the principles of project scheduling							
		PART – C (5 x 16= 80 Marks)					
16	(a)	Explain the process model that comband iterative fashion.	bines the element of waterfall	CO2-App	(16)			
	(b)	Or What are the necessities of Life cy	vala modal? Elaborata on the	CO2 Ann	(16)			
	(0)	various issues of Software life cycle	cie moder. Elaborate on the	CO2-App	(10)			
17	(a)	Develop an online railway reservation user to select route, book/obanking/credit/debit cards. The site all passengers. For the above system, scenario and model the above specific Or	ancel tickets using net so maintains the history of the list and draw the use case	CO4-C	(16)			
	(b)	Develop the process of ordering a pinuse case diagram and also sketch the each step of the process, from the most the point where you start eating the others need to perform. Add except diagram you developed. Consider delivery person wrote down wrong wrong pizza).	e activity diagram representing ment you pick up the phone to e pizza. Include activities that the pitch to the activity at least two exceptions (e.g.	CO4-C	(16)			

(a) Design a Dataflow diagram for online food ordering system 18 CO4-C (16)(b) Design a Dataflow diagram for a "Library Management System". CO4-C (16)State and explain the functional requirements you are considering. (a) What do you mean by Cyclomatic complexity? Explain Cyclomatic CO3-Ana 19. (16)complexity computation procedures with examples. What is Verification and Validation? Or (b) What are the attributes of the good test? Explain the test case CO3-Ana (16)design. Discuss the differences between black box and white box testing. 20. (a) Explain about all COCOMO models CO1-U (16)Or (b) Describe steps involved in project scheduling process, project CO1-U (16)timeline chart and task network.