28. a.	Describe the configuration management and the major process that make it up.	10	2	3
	drift Spitself Hijt 1880/ Spitsel Spith			
b.	(OR) Explain the role and importance of documentation in maintenance.	10	3	3
29. a.	Explain the role that technologies such as fourth-generation languages and object-oriented paradigms can play in achieving maintainability.	10	2	4
	(OR)			
b.	Discuss some general categories of the most commonly used maintenance tools.	10	3	4
30. a.	Discuss about data backups and restore in detail.	10	3	5
	(OB)			
b.	Write short notes on i. Analyzing system logs			
	ii. Operating System Updates	5	4	5
	from the first first from the first			
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1108.110.							10.00	Time 5	b		

B.Tech. DEGREE EXAMINATION, MAY 2022

Seventh Semester

18CSE471T - SOFTWARE MAINTENANCE AND ADMINISTRATION

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note:								
(i)	over	to hall invigilator at the end of 40th	minute		t shoul	ld be	han	ded
(ii)	Par	t - B should be answered in answer b	ooklet	1000				
Time: 2	½ Ho	urs ///wwwuzza		(The state of the	Max.	Ma	rks:	75
		$PART - A (25 \times 1)$	= 25 I	Marks)	Marks	BL	CO	PO
		Answer ALL Q		The same court of the court of				
1.	Iden evol	1	2	1				
		Reverse Engineering and Re-engineering	(B)	Reverse Engineering and Re-structuring				
	(C)	Re-engineering and	(D)	Forward Engineering and				
	(-)	Re-documentation		Backward Engineering				
2.		lifying software to match chang	an ever-changing environment is	1	2	1		
	(A)	Corrective Maintenance	(B)	Adaptive Maintenance				
	(C)	Perfective Maintenance	(D)					
3.		tify the incorrect maintenance m		and the same and arrange of the same of	1	1	1	
	(A)	Waterfall Model	` /	Reuse-oriented Model				
	(C)	Iterative Enhancement Model	(D)	Quick Fix Model				
4.	In h	1	2	1				
	(A)		(B)					
	(C)	4	(D)	5				
5.	The	process of obtaining desired sof	tware	from the specifications in hand	1	2	1	
	(A)	Re-engineering	. ,	Forward Engineering				
	(C)	Reconstructing	(D)	Re engineering				
6.		cost of maintenance is as highware process cycle	h as	of the cost of entire	1	2	2	
55	(A)	0.61	(B)	0.63				
	• •	0.67		0.71				
			,					
7.	AC	Γ stands for			1	2	2	
	(A)	Annual Component Traffic	(B)	Apply Component Traffic				
	(C)	Annual Change Track	(D)	Annual Change Traffic				

Page 1 of 4

8.	Identify which is a business goal of Re-engineering? (A) Cost Reduction (B) Time Reduction (C) Maintainability (D) Improve Product Quality and Reduce costs	1 2	2	19. Identify one of the following is not a type of CAS (A) Diagram Tools (B) Proces (C) Documentation Tools (D) Testing	ss modeling Tools		2	4
				20. Identify one of the following 4GL invented at II			3	4
9.	Identify the key one factor that influencing code understanding	1 2	2	and ISO as the standard Language for managing s				
	(A) Acquiring Knowledge from (B) Understand all the input			(A) SQL (B) Prolog				
	code Parameters to the function			(C) C (D) Java				
	(C) Read all code line by line (D) Identify chunks of related code							
4.0		1 0	•	21. Identify one of the following model has a major di	sadvantage in terms of the		2	5
10.	Identify one of the following is not a cognition models for program	1 2	2	coding phase of a software life cycle model.				
	understanding			(A) Spiral Model (B) Water				
	(A) Letorsky Model (B) Boehm's Model			(C) RAD Model (D) 4GL N	Iodel			
	(C) Shneiderman and Mayer Model (D) Pennington Model			OO DIOG . 1 C			3	
11		1 2	3	22. BIOS stands for	1		3	3
11.		1 2	5		Input Output Drive			
	praiding a mechanism for objective evaluation.			(C) Basic Input Output Device (D) Basic	Input Output Serial bus			
	(A) Integration (B) Measurement			22 The CDI I and many 1 and 1 and 1	1		2	5
	(C) Maintenance (D) Development			23. The CPU and memory are located on the (A) Expression board				_
12.	are used to pinpoint problem areas so that remedies can be	1 2	3	(A) Expansion board (B) Mother				
12.	developed and the software process can be improved			(C) PCI Slots (D) I/O dr	ve			
	(A) Project Maintenance (B) Project Specification			24. Software patch means	1		2	5
	(C) Project Metrics (D) Project Design			(A) Required Fix (B) Critical				
		1 0	2	(C) Emerging Fix (D) Routing				
13.	Reverse Engineering is the process of deriving the system design and	1 2	3	(C) Emerging 1 ix (D) Routin	CIIX			
	specification from its			25. Identify one of the following is a specific in	stance of a baseline or 1		3	5
	(A) GUI (B) Database			configuration item	station of a baseline of			
	(C) Source Code (D) Architecture			(A) Software (B) Config	ruration			
14.	The open source movement has meant that there is a huge reusable code base	1 1	3		Accounting			
	available at							
	(A) Free of Cost (B) Low Cost							
	(C) High Cost (D) Short period of Time			$PART - B (5 \times 10 = 50 Marks)$	Mar	rks]	BL (CO PO
		1 0	2	Answer ALL Questions				
15.	Identify the following is not an advantage of software reuse.	1 2	3					
	(A) Lower Costs (B) Faster Software Development			26. a. Explain the differences between a software life cyc	cle and a software process. 10	0	2	1
	(C) High Effectiveness (D) Lower Risks							
16.	Identify one of the following is included in SRS	1 2	4	(OR)				
	(A) Cost (B) Design Constraints			b. Enumerate the factors that can affect your underst	anding of a program	0	2	1
	(C) Staffing (D) Delivery Schedule							
1.77	TT CDC 1	1 1	4	27. a. i. Give the reasons why it is important to reuse pr	ograms instead of writing 5		1	2
1/.	The SRS document is also known as specification	1 1	4	them from scratch.				
	(A) Black Box (B) White Box				meacurec 5		2	2
	(C) Grey Box (D) Red Box			ii. Explain the guidelines for choosing maintenance	neasures.	,	2	2
18	CASE stands for	1 2	4	(OB)				
10.	(A) Component aid Software (B) Computer Application Software			(OR)	ring roomsoming and 10	0	3	2
	Engineering Engineering			b. Discuss reverse engineering, forward enginee restructuring.	ing, ie engmeering and			
	(C) Computer Aided Software (D) Computer Analysis Software			resuttetting.				
	Engineering Engineering							