Rajalakshmi Engineering College

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Batch: 2028

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NeoColab_REC_CS23231_DATA STRUCTURES

REC_DS using C_Week 7_MCQ_Updated

Attempt : 1 Total Mark : 20 Marks Obtained : 3

Section 1: MCQ

1. In the division method of hashing, the hash function is typically written as:

Answer

h(k) = k % m

Status: Correct Marks: 1/1

2. What is the primary disadvantage of linear probing?

Answer

Clustering

Status: Correct Marks: 1/1

241	3. In division method Answer 8	, if key = 125 and m = 1	3, what is the hash i	index?	
	Status: Correct			Marks : 1/1	
	4. Which of these has distribution with small Answer Status: Skipped	shing methods may res keys?	ult in more uniform	Marks : 0/1	
241	501	ving statements is TRU	E regarding the fold	041501	
	Answer				
	- Status : -			Marks : 0/1	
241	6. Which of the follow Answer -	ving best describes line	ear probing in hashir	ng?	
	Status : -			Marks : 0/1	
	7. In the folding method, what is the primary reason for reversing alternate parts before addition?				
	Answer				
241	Status : -	A1501011	241501011	Marks : 0/1	

24	hash table with linea	ar probing?	or inserting an elem	ent in a
	- Status : -			Marks : 0/1
	_	calculate the mid-squar t two middle digits and t		-
24	Answer Status: -	241501011	241501017	Marks: 0/1
	10. Which folding rof them, and then ac	nethod divides the key ir dds all parts?	nto equal parts, rever	ses some
	Answer			
24	- Status: - 11. Which data stru Answer	ucture is primarily used in	ո linear probing?	Marks: 0/1
	- Status : -			Marks : 0/1
	12. What does a de	eleted slot in linear probi	ng typically contain?	
24	Answer - Status : -	241501011	241501011	Marks : 0/1

	13. Which C state probing?	ement is correct for find	ling the next index ir	linear	
200	Answer	24150	24/20	24/20	
	-				
	Status : -			Marks : 0/1	
	14. In linear probi checked?	ng, if a collision occurs	s at index i, what is th	ne next index	
	Answer	.011	.011		
Λ.	Status: -	15010	15010	Marks : 0/1	
7,4	Status	J.K	J.	Marks . U/ I	
	15. What is the initial position for a key k in a linear probing hash table?				
	Answer				
	-				
	Ctatus			Monto : 0/1	
	Status : -			Marks : 0/1	
	16. Which of the	following values of 'm' i	is recommended for		
24.	16. Which of the temporal method in hashing		is recommended for		
2 ^{0,2}	16. Which of the	? (50)	04750		
2 ¹ 2.	16. Which of the temporal method in hashing	? (50)	04750		
21.	16. Which of the the method in hashing Answer -	? (50)	04750	the division	
200	16. Which of the the method in hashing Answer - Status: -	? (50)	e method for a key k	the division Marks: 0/1 = 123 if the	
200	16. Which of the timethod in hashing Answer - Status: - 17. What is the or hash table size is false.	utput of the mid-square	e method for a key k middle two digits of	Marks: 0/1 = 123 if the k * k?	
	16. Which of the timethod in hashing Answer - Status: - 17. What is the or hash table size is formally and the size is	utput of the mid-square	e method for a key k	the division Marks: 0/1 = 123 if the	

24	Status: - 18. What happens	if we do not use modular	r arithmetic in linear	Marks: 0/1 probing?	
	Answer - Status: -			Marks : 0/1	
24^	19. What would be summing: (12 + 34 - Answer - Status: -	the result of folding 123 + 56)?	456 into three parts	and AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
	20. Which situation causes clustering in linear probing? Answer				
200	Status : -	24,150,101,1	247501017	Marks: 0/1	