Enrollment	No

## End-Term Examination- ONLINE MODE (CBCS/Non-CBCS)(SUBJECTIVE TYPE)

<Programme Name \_\_B.Tech. IT \_\_\_\_\_ > < \_\_\_3\_ SEM (DEC, 2021)

Sub	ject Code:<	BIT 201 >	(SET A)			
Tim	e: 1 Hour 15 mi	nutes	Subject: <	DBMS >		
Not	e: Q. 1 is compu	Isory. Attempt any one	question from the rest.	Ma	ximum Marks:	
Q1	For the relation R(A,B,C,D,E) with FD set $\{B \rightarrow A, A \rightarrow C, BC \rightarrow D, AC \rightarrow BE\}$					
					(5*3=1	
	(a) Show	that AC and BC are NOT ca	andidate keys of R. What are	candidate keys of	E D	
	(a) Show that AC and BC are NOT candidate keys of R. What are candidate keys of R  (b) Which of the following is a good decomposition					
	i. R1(A, C, D) and R2(B, A, E)					
	ii. R1(A, C, D, E) and R2(C, D, E)  (c) Should R be decomposed or should it be accepted as such?					
			rulu it be accepted as such?			
Q2	Given the follo	wing log file:				
					(7.5+7.5= 15	
		(start, T4);				
100	THE RESERVE	(write, T4, A, 2, 3);				
	MARIE LES	(start, T1);				
		(write, T1, B, 5, 7);				
		(start, T2);	~			
		(write, T2, C, 1, 9);				
		(commit, T2);	0			
		(start, T3);		BIGIST		
		(write, T3, B, 7, 2);				
		(commit T3)				
	(a) What will be	the final walk for a				
	(-) while will be	the final value of A, B an	nd C if			
		i. UNDO/REDO alg	Orithm is a !: - !			
98		ii. NO-UNDO/REDO	) is applied			
	(b) (i) A proposal	is received to use deferr	ed update for the UNDO/PE	DO 111		
	(b) (i) A proposal is received to use deferred update for the UNDO/REDO. Would you agree with this proposal? Justify your answer  (ii) A proposal is received to use update in place for the UNDO/REDO. Would you agree with this proposal? Justify your answer.					
	this proposa	I is received to use upda	te in place for the UNDO/RE	DO Would		
	ems propos	sair Justify your answer.		Would you	agree with	
	THE PARTY OF THE P					
T	The HR and Ac	counts departments of	an organization wish to			
d	lesignation and s	salary of an employee fro	om Asst. Fraince	update the	(7.5+7.5= 15)	
R	designation and salary of an employee from Asst. Engineer to Exec. Engineer and relation, Employee(Eno, Ename, Designation, Salary)					
	elation, Employe	e(Eno, Ename, Designation	on Salami	vailable in a		
re		- Committee of the comm	on, Salary).			
re	a) Cantha I	Can there be lost updates? If yes then build a schedule to show this.				
re	Can there be I	ost updates? If yes then	build a schedule to show the			
ra (a			"y not if yes, then build a c	-h-11		
(a	o) Can there be u	Prepostable	y note if yes, then build a s	chedule to show	this	
(a	o) Can there be u	Prepostable	build a schedule to show thin hy not? If yes, then build a so then why not? If yes, then be above, use the time stamp ck or not.	chedule to show	this o show this	