Reg. No.											
----------	--	--	--	--	--	--	--	--	--	--	--



IV SEMESTER B.TECH. (COMPUTER SCIENCE & ENGINEERING) MAKEUP EXAMINATIONS, JUNE 2018

SUBJECT: ESSENTIALS OF IT [CSE 3282]

REVISED CREDIT SYSTEM (30/04/2018)

Time: 3 Hours MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- Missing data may be suitably assumed.

1A.	With neat labeled instruction	d diagram, explain	the Fetch-Decode-	-Execute cycle f	or a given	
	ADD R1,R2	2.				3M
1B.			along with neat dia ith neat diagram, th			4M
1C.	is as follows: 3	,1,3,4,2,4,1,2 ,3,1,0 page faults that occ	where the page nu 2,4,2,3,1,3.Given to ur for both Least R	otal free frames	as 3, calculate	3M
2A.	Explain Produce	r and Consumer pr	oblem with fixed si	ize buffer		3M
2B.	Find the waiting waiting time usir priority value has higher priority prior	time for each process preemptive priority cocess arrives. Table Q.2B	es is given below a ess and average tur rity scheduling alg y of the process, pro	naround time an orithm. Assume eemption happer	d average lowest	
	Processes	CPU Time (milliSec)	(milliSec)	Process Priority		
	P1	12	0	0		
	P2	4	4	2		
	P3	4	3	1]	
	P4	10	5	3]	
						4M

CSE 3382 Page 1 of 2

	Explain volume-structure of each field.	or the	disk in	M8-DO	s and ment	ion the fun	oction of its	3N
3A.	W1 4 4		1' F	D.M. 1	1.1.	•		3N
	What are the various notation	ons use	ed in E-	-R Mode	and their m	eaning.		310
3B.	Define 3NF with suitable exmerits and Demerits of norr	-		t are the c	onstraints in	n it? What a	are the	4N
BC.	Explain Full functional de dependencies with suitable	_		artial func	ctional depe	endency an	d transitive	3N
A.	What is Views in DBMS? suitable example.	Differe	entiate	between	horizontal a	nd vertical	views with	4N
B.	Write a note on Restriction	, Proje	ct and	cartesian	Join with a	n example	to each	3N
IC.	Consider the following table	e						
	CustomerPurchase			Item				
	Customerid Itemid QtyPurchased	Billid	NetPrice	Itemid STALOG1	ItemName Pen	UnitPrice	Class	
	C1 STN001 5	1001	150	STN001 BAK003	Bread	30 20	A	
	C2 GRO001 1 C1 ELC001 1	1002	10	GRO001	Poteto	10	Α	
	C1 ELC001 1	1001	5000	ELC001	Mobile	5000	С	
	C2 STN002 2	1002	400		ED			
	Table 4.C i. Retrieval using subo	1003 Jueries he cus	,write	SQL state	n of total	•		
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer.	queries he cus s who the sur	,write stomer se sum m of to	SQL state and sure of total purchelle. Give	ement n of total purchase hase amoun	purchase a amount is nt of other	amount for more than	
- •	Table 4.C i. Retrieval using subortist the id of the average of the using Customer ii. List the 2 nd highest	jueries he cus s who the sur Purch UnitPi	,write stomer se sum m of to nase ta	SQL state and sure of total purched ble. Give m the Iter	ement n of total purchase hase amoun output of to	purchase a amount is nt of other	amount for more than	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest	queries he cus s who the sur Purch UnitPu	,write stomer se sum of to nase tarrice fro	SQL state and sure of total purched ble. Give m the Iter	ement n of total purchase hase amout output of t n table.	purchase a amount is nt of other the query.	amount for more than customers	
	Table 4.C i. Retrieval using subortist the id of the average of the using Customer ii. List the 2 nd highest	lueries he cus s who the sur Purch UnitPu	,write stomer se sum of to hase tarice fro	SQL state and sure of total purched ble. Give m the Iter	ement n of total purchase hase amoun output of to n table. F SQL?	purchase a amount is nt of other the query.	amount for more than customers	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? WILIST different types of implementation of Self Research	pueries he cus s who the sur Purch UnitPr	,write stomer se sum of to hase tarice fro	SQL state and sure of total purched ble. Give m the Iter	ement n of total purchase hase amout output of t n table. SQL CRE in Employ	purchase a amount is nt of other the query.	amount for more than customers	
	Table 4.C i. Retrieval using suborties the id of the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL	queries he cus s who the sur Purch UnitPu hat are const	,write stomer se sum of to nase ta rice fro the limeraints ing for	SQL state and sure of total purched ble. Give m the Iter	ement n of total purchase hase amout output of t n table. SQL CRE in Employ	purchase a amount is nt of other the query. ATE funcyee_Details	amount for more than customers	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name	pueries he cus s who the sur Purch UnitPu hat are const ference	,write stomer se sum of to hase tairice fro the limits ing for	SQL state and sure of total purches Give m the Iter stations of total stations of total purches are ign key	ement n of total purchase hase amout output of t n table. SQL CRE in Employ	purchase a amount is nt of other the query. ATE funcyee_Details	amount for more than customers	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name Employee_ID	pueries he cus s who the sur Purch UnitPr hat are const ference	,write stomer se sum of to hase ta rice fro the lim raints ing for Type aber(6)	SQL state and sur of total purches Give m the Iter itations of using Spreign key	ement n of total purchase hase amout output of t n table. SQL CRE in Employ	purchase a amount is nt of other the query. ATE funcyee_Details	amount for more than customers	
	Table 4.C i. Retrieval using subortines the id of the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQ	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc	write stomer se sum m of to hase ta rice fro the lim raints ing for Type ber(6) har2(20	SQL state and sure of total purchase the Iterations of the Iteration of th	ement n of total purchase hase amout output of t n table. SQL CRE in Employ	purchase a amount is nt of other the query. ATE funcyee_Details	amount for more than customers	
	Table 4.C i. Retrieval using subortines the id of the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQ	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc	the limeraints ing for the lar2(2)	SQL state and sure of total purchase of the second sure in the second	ement n of total p purchase shase amout output of t n table. SQL CRE in Employ Con Prin	purchase a amount is nt of other the query. ATE funcyee_Details straints nary Key of	amount for more than customers	
5A 5B	Table 4.C i. Retrieval using suborties the id of the average of the using Customer ii. List the 2nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name Employee_ID Employee_Last_Name Employee_First_Name Employee_Middle_Name	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc Varc	the limeraints ing for har2(20 har2(3)	SQL state and sure of total purchase of the second sure in the second	ement n of total p purchase shase amout output of t n table. SQL CRE in Employ Con Prin	purchase a amount is nt of other the query. ATE funcyee_Details	amount for more than customers	3N
	Table 4.C i. Retrieval using subortines the id of the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQ	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc Varc Num	the limeraints ing for har2(20-har2(3)	SQL state and sure of total purches of total purches of the state of t	ement n of total p purchase hase amout output of te n table. SQL CRE in Employ Con Print Defa It ce	purchase a amount is nt of other the query. ATE funcyee_Details straints nary Key of an take of an take of a straints and take of a stra	amount for more than customers etion show table with	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name Employee_ID Employee_Last_Name Employee_First_Name Employee_First_Name Employee_Middle_Name Employee_Email Employee_Dept	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc Varc Num	the limeraints ing for har2(20 har2(30	SQL state and sure of total purches of total purches of the state of t	ement n of total purchase shase amount output of to table. FSQL? SQL CRE in Employ Con Print Defa It con value	purchase a amount is nt of other the query. ATE funcyee_Details straints nary Key of an take of eswhicj ar	amount for more than customers etion show table with the table only those re present	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name Employee_ID Employee_Last_Name Employee_First_Name Employee_First_Name Employee_Middle_Name Employee_Email Employee_Dept	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc Varc Num	the limeraints ing for har2(20 har2(30	SQL state and sure of total purches of total purches of the state of t	ement n of total purchase shase amount output of to table. FSQL? SQL CRE in Employ Con Print Defa It con value	purchase a amount is nt of other the query. ATE funcyee_Details straints nary Key of an take of an take of a straints and take of a stra	amount for more than customers etion show table with the table only those re present	
	Table 4.C i. Retrieval using subortist the id of those customer the average of the using Customer ii. List the 2 nd highest What is Embedded SQL? What is Embedded SQL? What is different types of implementation of Self Refollowing attributes. Column Name Employee_ID Employee_Last_Name Employee_First_Name Employee_First_Name Employee_Middle_Name Employee_Email Employee_Dept	pueries he cus s who the sur Purch UnitPr hat are const ference Data Num Varc Varc Varc Num	the limeraints ing for har2(20 har2(30	SQL state and sure of total purches of total purches of the state of t	ement n of total purchase shase amount output of to table. FSQL? SQL CRE in Employ Con Print Defa It con value	purchase a amount is nt of other the query. ATE funcyee_Details straints nary Key of an take of eswhicj ar	amount for more than customers etion show table with the table only those re present	

CSE 3282 Page 2 of 2