		Hall Ticket Number :												
	L	Code: 4G441		<u></u>										R-14
		II B.Tech. II Se	mes	ster	au2	pler	ner	ıtarv	Exc	mir	natio	ns N	Nov/D	ec 2019
						•		ıgei					- ,	
					(C	omr	non	to C	SE 8	k IT)				
		Max. Marks: 70 Answer all five uni	ts by	cho	ocin	a on	0 011	octio	n fra	m o	ach i	ınit /	' 5 v 1 /	Time: 3 Hours
		Answer dir iive oni	13 D y	CHC	OSII I	y on		****		111 60	JCIT	וווון (J X 14	- 70 Marks)
						L	JNIT-	-l						
1.	a)	Explain the advantages	s of u	ısing	a qu	ery la	angu	age ii	nstea	d of	custo	m pr	ograms	to process data.
	b)	What is data independ	denc	e an	d hov	v do			S su	ppor	t it?			
2.	a)	What are the differen	t type	es of	LISE	r inte	OR erfac		siane	d foi	r data	ahas	e user	s? Discuss the ma
	ω,	activities of each.	, р.	00 0.	400		Jiiuo	0 40.	Jigiro	u 10.	dan	abuo	o door	J. Blooded the me
	b)	Briefly discuss about a	archi	tectu	ire of	data	abase	e sys	tem	with	diagr	am.		
							NIT-							
3.	a)	•		·			•	•	•			•		. ,
	b)	Name the main steps E-R model mainly use		atab	ase	desig	gn. V	Vhat	is the	e goa	al of	each	step?	In which step is the
		L IV model mainly use	,u :				OR							
4.	a)													
		iv) Derived attribute												
	b)	Construct an E-R dia Associate with each p												
		Associate with each p	aliei	пак	og oi		vano NIT–I		SIS a	nu e	ланн	Hauc	JIIS COI	ducted.
5.	a)	What are views? Disc	uss t	he p	roble				ed in	mod	difyin	g da	tabase	through views.
	b)			•							•	J		· ·
							OR							
6.		Consider the following	g sch	ema	:									
		Suppliers (sid: integer, sname: string, address: string)												
		Parts(pid: integer, pname: string, color: string)												
		Catalog(sid: integer, pid: integer, cost: real) The Catalog relation lists the prices charged for parts by Suppliers.												
		Write the following queries in SQL:												
		i. For each part, find	the	snan	ne of	the s	suppl	ier wl	no ch	arge	s the	mos	t for tha	at part.
		ii. Find the sids of su	upplie	ers w	/ho s	uppl	y onl	y red	part	S.				
	iii. Find the sids of suppliers who supply a red part and a green part.													
						UI	NIT-I	V						
7.	a)	Compare 3NF and BC	CNF v	with	a sui	table	exa	mple						
	b)	What is dependency p	orese	ervin	g for	decc	mpo OR		າ? E×	plair	n why	/ it is	import	ant
8.	a)	Explain why 4NF is more desirable than BCNF												
	b)	What is Normalization	? Ex	plair	brie	_			3N	F wit	h sui	table	exam	ples.
_							NIT-							
9.	a)	J								ould	you	use a	a tree?	
	b)	Why are tree-structure	ed in	aexe	s go	od to	or sea OR		s?					

How does a B+ tree index handle search, insert and delete?

b) With diagram, explain tree structure index

10.

	Hall	Ticket Number :									
Code: 4G144											
		II B.Tech. II Semester Supplementary Examinations Nov/Dec 2019									
		Object Oriented Programming Through JAVA									
	Mar	(Common to CSE & IT) x. Marks: 70 Time: 3 Hours									
	_	Answer all five units by choosing one question from each unit (5 x 14 = 70 Marks) ***********************************									
		UNIT-I									
1.	,	List and describe Java Buzzwords.									
	b)	What is an array? Write a Java program to print upper triangle values of a given two dimensional array. OR									
2.	a)	Define a class? What is the general form of a class? How objects are declared explain									
	,	with an example?									
	b)	Define Constructor. With suitable example explain constructor over loading.									
		UNIT-II									
3.	a)	Define Inheritance. Explain how one class inherit another class with an example.									
	b)	Define package. Write a simple java program to implement package.									
4	- \	OR When a close called as abetract closes? Evaluin									
4.	a)	When a class called as abstract classes? Explain,									
	b)	Is interfaces can be extended? Explain with an example. UNIT-III									
5.	a)	List and explain the exception handling keywords.									
Ο.	b)	Describe the main thread in java.									
	D)	OR									
6.	a)	Describe the nested try statements.									
	b)	Differences between Multithreading and Multitasking.									
		UNIT-IV									
7.	a)	List AWT controls. Explain Label control.									
	b)	How applets are differed with applications.									
		OR									
8.	a)	Briefly explain ArrayList Class.									
	b)	Write a simple program to illustrate GridLayout.									
0	-1	UNIT-V Define an Event List and briefly describe the event listener interferes									
9.	a)	Define an Event. List and briefly describe the event listener interfaces.									
	b)	What are the limitations of AWT? OR									
10.	a)	Implement simple client server using TCP/IP Sockets.									

b) What is the need of Adapter class?