B.Sc. (Part-III) Semester-V Examination COMPUTER SCIENCE (Old) (Upto W/2020) (RDBMS and Visual Basic)

lime : Il	nree .	Hour	s]				Totalo	[Maximum	Marks: 80
Note :-	(1)	All q	uestions are co	ompulsory.	antages of				
	(2)	Ques	tion No. 1 car	ries 8 marks	and all oth		estions ca	rry 12 marks ea	ach.
	(3)	Assu	me suitable da	ta wherever	necessary.		aneluteffe t		
1. (A)	Fill	in th	ne blanks:					xplain the foil	
	(i)	In re	elational mode	el, the comb	ination of T	uple	and Attrib	oute is called as	·
	(ii)	In e	entity relations	ship diagran	n, the symb	ol rec	ctangle is	used for	<u>.</u> .
	(iii)		is the o	nly tool in	a toolbox v	vhich	is not a	control.	
	(iv)		control				where us	er wants to sel	ect one and 2
(B)	Cho						T noites?		
	(i)	clau		is a condit				ectly related to	o group by
		(a)	Order by			(b)	Having	explain the foll	
		(c)	As			(d)	Is	i) Domain an	
	(ii)	- 2	comn	nand is used	d to display	the d		table.	
		(a)	Delete		0.9 10191 001	(b)	Insert	i) ALTER	
		(c)	Select			(d)	Update		
	(iii)) Wh	ich of the fol	lowing cont	rol is not a	part	of toolbo	ox ? goag (iii)
		(a)	Frame Contr	ol basanao	SHLECT o	(b)	Text Bo	Sxplain ORDIX	(B)
		(c)	Command B	utton	OR	(d)	Form C	ontrol	
	(iv)	If v	ariable a, b a	nd c are of	integer dat	atype	, then fin	nd out the valu	
		a =	14, b = 4 ca	lculate c =	a/b:			i) UPDATE	
		(a)	2			(b)	4	ii) DELETE	
		(c)	3.5			(d)	3	HI) CREATE.	2

	(C)	Answer in one sentence each :	
		(i) What is a domain ? What is a	
		(ii) BCNF stands for ? (d) (b) 30/2102 statistics	
		(iii) What is an event? State length box 21/41(18)	
		(iv) What is project ?	4
2.	(A)	Explain advantages and disadvantages of database system.	6
	(B)	Explain Data Dictionary and Data Independence.	6
		(2) Question No. 1 carries & marks and all cines questions team II marks and	
3.	(A)	Explain network database model with suitable example.	6
	(B)	Explain the following terms:	
		(i) Internal Level A has algot lo notherisation out a short lemottales of (i)	
		(ii) External Level	
		(iii) Conceptual Level.	6
4.	(A)	What is ER diagram ? Explain various ER diagram symbols with suitable example	e.
		only one choice augony the several choices	6
	(B)	What is normalization? Explain 2NF with suitable example.	6
		OR clause is a conditional which is directly related to	
5.	(A)	What is key? Explain various types of keys with suitable example.	6
	(B)	Explain the following terms:	
		(i) Domain and Attribute	
		(ii) Functional Dependency.	6
6.	(A)	Explain the following commands with example:	
		(i) ALTER	
		(ii) INSERT	
		(iii) DROP. Modious to many it ton at lourness gat well of soft to disid W (iii)	6
	(B)	Explain ORDER by clause in SELECT command with syntax and example.	6
		(c) Command Button NO (d) Fortal Control	
7.	(A)	Explain commands with syntax and suitable example:	
		(i) UPDATE	
		(ii) DELETE	
		(iii) CREATE.	6
	(B)	What is datatype? Explain datatypes supported by SQL.	6

8.	(A) Why VB is called event driven programming? Explain.	, 6
	(B) Explain the following:	
	(i) New Project Window	
	(ii) Property Window.	6
	OR	
9.	(A) Explain the difference between:	
	(i) Picture Box and Image Control	
	(ii) Text Box and Label Control.	6
	(B) Explain events and properties associated with a form.	6
10.	(A) What is datatype? Explain datatypes supported by Visual Basic.	6
	(B) What is menu editor? Write down the procedure to create menus using menu	editor
	in VB.	6
	OR	
11.	(A) What is operator? Explain conditional and logical operators in VB.	6
	(B) Write a program in VB to test whether entered integer number is Palindrome of	r not.
		6
12.	(A) Explain InputBox () function with syntax and example.	6
	(B) What is user defined function in Visual Basic? Explain with syntax and exam	
		6
	OR	
13.	(A) Explain the concept of passing data by reference with suitable example.	6
	(B) Explain following functions with suitable example:	
	(i) Left ()	
	(ii) Round ()	
	(iii) Ltrim ()	
	(iv) Val ()	
	(v) Len ()	
	(vi) Sqr ().	6

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	we	(i) New Project Windle	
		(ii) Property Windows	
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		Explain the difference b	(A)(A)
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	l Control.		
	cross aslociated with a form.		(8)
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		Left (
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		() model (c)	
		44	
		(v) Sqt ().	
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