STD VIII A.B.C FIRST TERMINAL EXAMINATION 2019-2020 TIME: 1 ½ HRS

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Q1. F	ill in the blanks:		[10]
a)	is a software store	d on a small memory chip on the	
	motherboard which instructs the	computer.	
b)	operating system	runs on computers which are loc	cated in
	different geographical areas, inte	rconnected through a network.	
c)	Virtual Reality is an example of	operating system	1.
d)	A range is group of	_ cells.	
e)	The cell address in a formula is als	so called	
f)	Ais a graphical re	presentation of data in a worksh	eet.
g)	The set of instructions written in	a stepwise sequence is called	301.
h)	Logical operators are		
i)	The operator works o	n a single variable or constant.	
j)	is a box that ident	ifies the patterns or colours assig	ned to a
	data series in a chart.		
Q2	. State True or False. If false correct	t the underlined word and rewrit	e the
	word only.		[5]
a)	The general direction of flow in an	y flowchart is from bottom to to	or from
	right to left.		
b)	Scatter chart is the default chart ty	/pe in Excel.	
c)	The error <u>#VALUE</u> occurs if the for	mula contains invalid data.	
d)	CUI does not need much RAM to re	un.	
e)	Relational operators are used to ev	valuate true condition.	
Q3	. Write the results of the following	expressions:	[5]
	a) If x=24 and y=8		
	x==y		
	b) If a=56 and b=32		
	a!=b		

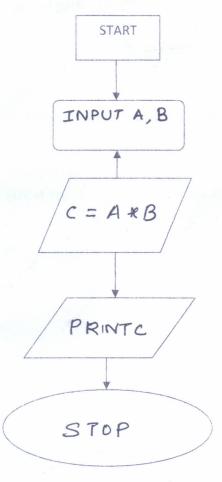
	c) (28>=28) (40<8)		
	d) (5>8)&&(35<25)		
	e) If m=78 and n=60		
	m>=n		
(Q4. Match the column.		[5]
	Column A	Column B	
	a) Anti Virus	i)Absolute reference	
	b) Robots	ii) Mixed reference system	
	c) \$A1+A\$2	iii) Real time operating	
	d) \$A\$1+\$A\$2	iv) System software	
	e) Device drivers	v) Utility Software	
Q5.	Evaluate the expressions(sh	now the working also)	[10]
	a) X=10, Y=12, Z=16		
	++X +Y + Z + Z		
	Find the result and final v	values of X, Y, Z	
	b) X1=X++ -X++ + ++X X=3	10	
	Find the value of X1 and	final value of X	
	c) C=a+++++a+b+++b	a=20, b=15	
	Find the result of C and f	inal values of a, b,	
	d) $m=n+++n-n*10$ n	=15	
	Find the result of m and	final value of n	n oak ED
Q6.	Differentiate between the f	ollowing:	[10]
a)	Logical error and Syntax erro	or and a second of the second	
b)	Formulas and Functions		
c)	Category Axis and Value Axis		
d)	On Page and Off Page Conne	ectors	
e)	Interpreter and Compiler		

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Q7. Answer the following:

- a) Why GUI based operating systems are more expensive than CUI based operating system? [1]
- b) Explain the process of moving the chart. [3]
- c) Write the size in bytes of data type Integer, Fractional, Character and Boolean. [2]
- d) With an example explain the function of / and % operator. [2]
- e) Explain Unary ++ and -- operator. [3]
- f) Write the names of any two single user operating system and two multiuser operating system. [2
- g) What is an User Interface? Explain the different types of user interface with an example each. [3]
- h) Write the use of input/output, process and decision box? [3]
- Q8. Correct the flowchart symbols to multiply two numbers. [3]

a)



- b) Arrange the given algorithm to compare two numbers and find the greater one in correct order. [3]
- i. Print "both numbers are equal" and stop.
- ii. Print "A is greater" and stop.
- iii. Print "B is greater" and stop.
- iv. Check whether A=B. If true then goto step iii, else goto step iv
- v. Input two numbers and store them in A and B.
- vi. Compare A and B. If A is greater than B, goto step v else goto step vi.
- Q9.a. Draw flowchart to accept any alphabet. Display the message VOWEL if the accepted alphabet is a vowel, otherwise display the message not a vowel.[4]
 - b. Draw flowchart to calculate the area of a rectangle. [3]
 - c. Write algorithm to add two numbers and display the result along with square of the sum. [3]