## Kendriya Vidyalaya Sangathan: Raipur Region

## Session Ending Examination – 2019 Subject – Computer Science (Theory) 083 CLASS – XI

Time: 03 Hrs.

MM:70

## General Instruction:

- 1. This Question Paper contains Total 6 Questions.
- Attempt all questions.
- 3. Please Write Question number before attempting it.

1. (A)	Hear c=0+4.5j is a complex number, write python command to find imaginary part.			
(B)	What do you mean by expressive language? Explain it with python example?			
(C)	State Output of the following python program.  t1=(5,7,3,9,12)  len(t1)  t1.index(12)			
(D)	Under line the errors & Re-write the correct python code : num=int (input["Enter an integer (>1000):"]) tnum=num		2	
	reverse=0 while tnum digit=tnum%10 tnum=tnum/10 reverse = reverse * 10 + digit print("Reverse of ",num,"is",reverse)			
(E)	Write command to reverse the given tuple :		2	
(F)	Write a Python Script to calculate sum of following Series:		3	
2. (A)	Which of the following are not valid strings in Python?  (A) "Hello" (B) 'Hello' (C) "Hello' (D) 'Hello" (E) {Hello}		1	
(B)	Write a program to print the following using a single loop (no nested loops)  1		2	
	11 111 1111 11111			

(C)	Write any two difference between LIST and TUPLES in python?	2		
(D)	Why exception handling required ?	2		
(E)	Convert the following:  1. (FACE) <sub>16</sub> to binary  2. (72905) <sub>10</sub> to decimal binary	2		
(F)	Write a python program that reads a string and checks whether it is a palindrome string or not?			
3. (A)	What are state transition diagrams?	1		
(B)	What is the role of CPU of a mobile system?	2		
(C)	Draw the Logic Circuit for Boolean expression (A+B).(C+D) using only NOR gate :	2		
(D)	State and Prove Both DeMorgan's Laws using Truth Table	2		
(E)	What is cloud computing ?	2		
(F)	Examine the following code and give the answer of given below question:  Numlist = eval(input("Enter list :")) pos=0 odds=evens=0 length=len(numlist) while pos <length: else:="" evens="evens+1" if="" numlist[pos]%2="=0:" odds="">evens:     print("Balanced oddity")         (a) What is this program calculating?         (b) What does the program for the list [1,5,2,3,6,6,9]?         (c) What does the program print for the list [2,5,2,3,6,6,9]?</length:>	3		
4. (A)	how can we fix this ?  What will be the output of following code?  x,y=2,6  x,y=y,x+2  print(x,y)	1		
(B)	Re-Write the code fragments using for loop:  x=0  while x<5:     x=x+1  print (x)	2		
(C)	State output produced by the following code statements?  (i) 87//5  (ii) 87//5.0	2		

(D)	Consider the following python program:  N = int(input("Enter N:"))					2	
	i= int(input(	"Enter N:"))					
	- C-						
	sum=0						
	while i< N:						
	if i%2==0:						
	sum=sum+1						
	i=i+1					1	
	print (sum) (a) What is the output when input values is 5?						
		is the output w is the output w					
(E)		of the followin				2	
(=)			g python stat	Cilicites			
	>>> string ='h >>> string1 =						
	TO SHIFT TO SHOW SHOW IN THE SHIP OF	ring.islower()					
151	(D) >>>Sti	ring.isspace() ram to sort a s	equence using	insertion se	ort:	3	
(F)			equence asing		/#/000		
- 1-1		13,22,3,52,2]				1	
5 (A)	Define NoSQ	L databaser	ments in MvS	017		1	
(B)	What do you	mean by com	ne disadvanta	ge of NoSQI	database?	2	
(C)	Write one advantage and one disadvantage of NoSQL database?  What do you mean by Primary Key and Candidate Keys?  What do you mean by Primary Key and Candidate Keys?						
(0)	Canaldorthe	following tabl	e names EXAM	M with detail	5 Of Ithan No.	4	
(E)	Consider the following table names EXAM with details of marks.  write command of MySQI for (i) to (IV) and Output for (v) to (Vii).					1 2	
	Write Comments of my						
2	Table : EXAM.						
	Adno	SName	Percentage	Clsection	Stream	-11	
18	R001	Sushant	90.2	12A	Science	41	
objection.	R001	Vaidyanath	80.5	12B	Humanities		
	R002	Miara	68.9	12B	Science	1	
	R004	Niara	96.0	12A	Commerce	41	
		Shinjini	88.9	12D	Commerce	١١	
1	R005						
1	(i) To display all information of the students of humanities						
d ×	in descending order of percentage.						
1000	(ii) To display Adno, Name, Percentage and Stream of those						
135	students whose name is less than 6 characters long.						
7	(iii) To add another column BusFees with datatype and size						
1.54	a	s decimal (8,2)		of all the hi	manities		
3		o increase per	centage by 2%	of all the ni	mannes		
0,00	5	tudents.		1 - 1 - 1			

	(v) SELECT COUNT(*) FROM EXAM;					
	<ul><li>(vi) SELECT Sname, Percentage FROM EXAM WHERE Name LIKE "N%";</li></ul>					
	(vii) SEI		ge,0) FROM EXAM WHERE			
	(viii) SEI	LECT LENGTH	(SName)	FROM EXAM;	1	
6 (A)	What do you mean by eavesdropping?					
(B)	What is the need for secure passwords ?					
(C)	Write MySQL Command to Create table CAND with the following specification :					
	Filed Name	Type	Width	Description		
	CNUM	Character	8	Unique candidate number of the candidate		
	CNAME	Character	30	Name of Candidate		
	DOB	Date		Date of Birth of the candidate		
(D)	Define the following cybercrimes :  (1) Cyber bullying  (2) Cyber stalking					
(E)	Define the fo				3	
		ui Join		DATE OF THE PROPERTY OF	Wall fre	