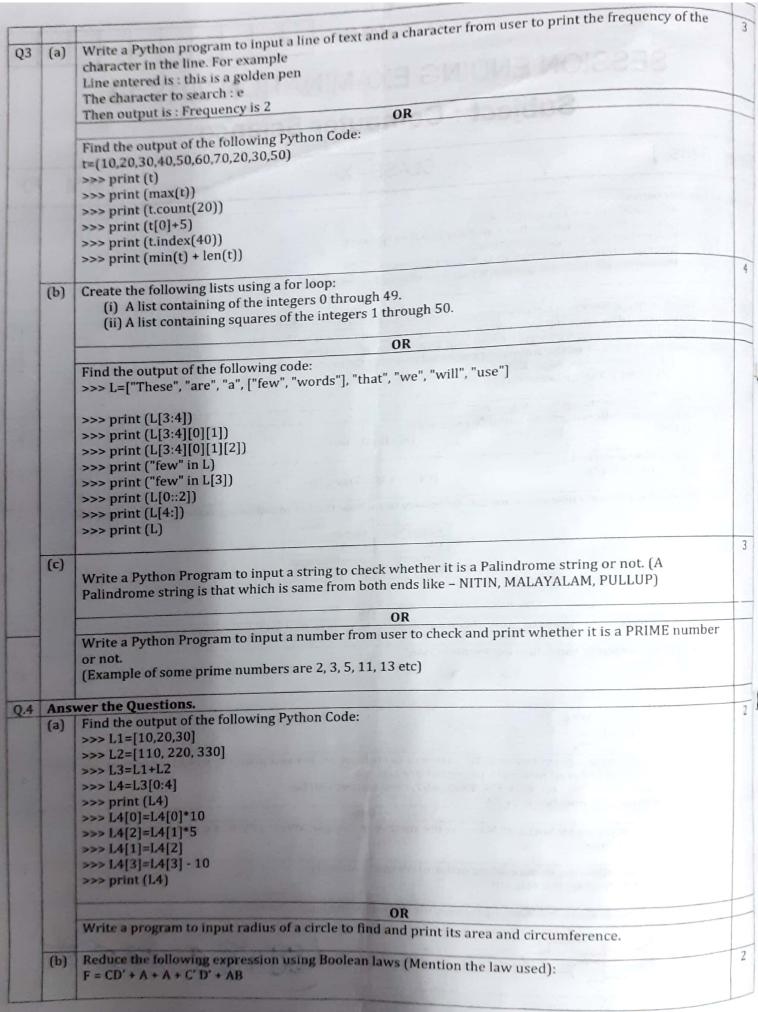
Roll No.		T	T

## SESSION ENDING EXAMINATION 2018-19

		Cablect . Computer Science	
Tin	ne : :	3 hrs. ] CLASS - XI [M.M. : 70	-
Ger	(a	Instructions:  a) All questions are compulsory.	_
	(b (c) (d) (e)	Programming Language Python.  Internal choices are given in Question 2.3 and 4.	
Q1	(a)	What is the difference between interactive mode and script mode in Python?  Write the difference between '%' and '!'' are the difference between '%' and '!''' are the difference between '%' and '!'' are the difference between '%' are the difference between '%' and '!'' are the difference between '%' are the differe	
	(b)	Write the difference between '%' and '//' operator in Python with example.  What do you mean by Syntax Error and '//' operator in Python with example.	1
	(c)	What do you mean by Syntax Error and Logical Error? Explain.	1
	(d)	Identify the error in the following code and re-write them correctly:  (i) if password="Aq@3RT"  (ii) print ("Today is Sunday)	1

AT.	(a)	What is the difference between interactive mode and garint and it is in a							
	(b)	Write the difference between interactive mode and script mode in Python?	1						
	(c)	Write the difference between '%' and '//' operator in Python with example.  What do you mean by Syntax Error and Lind in Python with example.	1						
	(d)	What do you mean by Syntax Fror and Logical Error? Explain.							
		Identify the error in the following code and re-write them correctly:  (i) if password="Aq@3RT"  (ii) print ("Today is Sunday)							
	(e)	What are state transition diagrams?							
	(f)	Explain the following with suitable example:	1						
		(ii) Tuple (iii) Dictionary	3						
	(g)	Convert as directed:							
0.0		(i) $(A6)_{16} = (?)_8$ (ii) $(38.25)_{10} = (?)_2$	2						
Q.2	(a)	Write the Python code to create the dictionary to include the list of following states and their capital.	2						
			2						
		Rajasthan Jaipur							
-7 7		UP Lucknow							
		Gujarat Gandhinagar							
		MP Bhopal							
		OR							
	1.5	Write a Python program to input three numbers from user to find and print maximum of them.							
	(b)	Find the output of the following Python Code:							
		>>> x=20							
		>>> x=x+10	2						
	- 11	>>> x=x-5	~						
-		>>> print (x)							
2		>>> x , y = x - 1, 3**4							
		>>> print (x, y)							
	(c)	Write a Python program to input 10 numbers to store in the list and print the third largest number. For example, if the entered numbers in the list are List are							
		example, if the entered numbers in the list are List are 36, 25, 14, -951, 75, -85, 654, 88, 9521, 657, then output will be The third largest number is: 654							
		OR							
		What do you mean by Sorting? Name some sorting technique. Write a Python code to illustrate any							
		sorting technique.							
	(d)	Arrange the following in ascending order of memory capacity:							
		TB, Byte, KB, Nibble, Bit, MB, GB	1						
	(e)	Write the equivalent Boolean expression for the following logic circuit:							
			1						
		10000							
		128886855 1200000000000000000000000000000000000							
-									



		OR  Which gates are known as 'Universal Gates' and why? Design AND gate using any of the Universal Gate.										
		The second secon			ND gate using any of the Universal	Gate.						
Q.5 (	(c)	(i) Suppose a list is L=[2, 33, "KVS", 14, 25], what is L[-3]? (ii) Write a Python statement to print the string "India" 10 times.										
				OR								
		Write a Pyth	non program using while loop t r to zero.	that inputs a numbe	r from user and print a countdown	from						
	(d)	What is the difference between break and continue statement in Python? Explain giving suitable example.										
		OR										
		Write a Pyth	non program using for loop to	the second secon	g pattern:							
		****										
		****										
		***										
		**										
						1						
	(e)	Name the B	oolean law: X + XY = X and ver	ify using Truth Tabl	е.	•						
		What is Clo	ud Computing?			1						
Q.5	(a)	What do yo	u mean by a 'PRIMARY KEY' in	context of a table?		1						
	(b)	Explain Degree and Cardinality with example.										
	(d)	(i) Update (ii) Select (iii) Alter (iv) Drop  Consider the following Patient table and write SQL queries for the given questions: Table: PATIENT										
	bite	Table: PAT		Paris Data	Gender							
		PID	PatName	Regis_Date 2017-02-24	Female	13						
		P501	Krisla Singh		Male							
		P502	Ritesh Kumar	2017-02-28	Male	23.14						
		P503	Harshvardhan Sharma	2018-05-01	Female							
		P504	Bhavna Agarwal	2018-08-05								
		P505	Aryan Yadav	2018-08-17	Male							
		P506	Swatantra Singh	2018-10-03	Male							
		P507	Alankar Srivastava	2018-11-14	Male							
		<ul> <li>(i) To print details of all Male patients</li> <li>(ii) To display the Patient Name of all patients whose name ends with "Singh"</li> <li>(iii) To print details of all patients who registered in year 2017.</li> </ul>										
	(e)	What do yo	u understand by NoSQL datab	ases? Explain giving	g example of it.	1						
	-		lent in a database has 7 colum									

		records are updated and 1 column is added into the table?								-	,			
6	(a)	What is the difference between islower() and lower() in context of string in 1 y them a proper example.									-			
	(6)	b) What is the difference between RAM and ROM?								it	-			
	(b) (c)	Laling if Collou and												
		Table : STOCK												
		Name of Column Type			Size Constraint									
		Id		Integer	4	Primary K	Tey							
		Name	-	Varchar	20	Not Null	Part of the lates							
		Company	-	Varchar	20									
		Price		Integer	8	Not Null								
		Frice		Integer	0									
1	(d)	Consider the fo	ollowi	ng table TEA	ACHERS	and then write SC	L for the given	questions (i	) and (ii), then	also				
					1000	T TO A DOMESTING	DATEOFJOIN	SALARY	SEX					
		TI	-	NAME	AGE	DEPARTMENT		12000	M					
		1		JGAL	34	COMPUTER	10/01/97	20000	F					
		2		RATIGYA	31	HISTORY	24/03/98	30000	M					
3		3		ANDEEP	32	MATHS	12/02/96		F					
1		4		ANGEETA	35	HISTORY	01/07/99	40000 25000	M					
1		5		ATTI	42	MATHS	05/09/97		M					
1		6	Designation of the last	HYAM	50	HISTORY	27/06/98	30000 21000	M					
4		7		HIV OM HALAKHA	33	MATHS	25/02/97 31/07/97	20000	F					
		<ul> <li>(i) To print the names of all Male teachers of computer department.</li> <li>(ii) To find out sum of salary of all the departments separately.</li> <li>Write output for the following SQLs</li> <li>(iii) Select TID, NAME, DEPARTMENT from TEACHERS where name like "SA%" and department="maths" and age&lt;=35;</li> <li>(iv) Select TID, NAME, SALARY from TEACHERS where year(DATEOFJOIN)=97 and salary between 20000 and 30000;</li> </ul>												
1	(e) (a)	Differentiate between a compiler and an interpreter.  What do you mean by Cyber Safety?								-				
	(4)													
	(b)	What do you understand by Identity Theft?							Т					
7	(b)			Cookie 2				What do you mean by Cookies?						
	(c)	What do you me	ean by					CONTRACTOR OF						
	(c) (d)	What do you me	ean by	Social Netv		g Sites? Give some	examples.	Manual Comment						
	(c) (d) (e)	What do you me	ean by	Social Network		g Sites? Give some i-virus software?	examples.							
	(c) (d) (e) (f)	What do you me What do you me Define the follow	ean by ean by ean by wing t	y Social Netw y virus? Whaterms:	it is ant	i-virus software? vesdropping	examples.  (ii) Phishing							
	(c) (d) (e) (f)	What do you me What do you me Define the follow	ean by ean by ean by wing t	y Social Netw y virus? Whaterms:	it is ant	i-virus software?								