Seat No. : 637



NB-101

November-2022

B.C.A., Sem.-V

CC-302: Python Programming

T	ime :	2½ Hours] [Max. Marks : 7	0
1	. \	Write the following:	
	(i	i) List and explain different flavors of Python.	7
	(i	ii) Give differences between Java and Python.	7
		OR	
9	(i	List out built-in datatypes of Python. How can we determine the datatype of a variable in python? Explain range datatype and set datatype.	7
	(ii	What is the use of the control statements in python? Explain else suite, pass and assert statements with example.	7
		albo margis to a military have any	
2.	W	rite the following:	
	(i)	Explain how can we create an array from another array. Explain indexing and slicing on array with example.	7
	(ii)	Define actual arguments. Explain default arguments and variable length arguments.	7
		transport OR bendeh in the Art and Art	
	(i)	What is the difference between list and tuple? Explain aliasing and cloning lists with example.	7
	(ii)	How can we create dictionary? Explain any six dictionary methods.	7
	Write	e the following:	
	(i)	What is constructor? Explain constructor overriding and method overriding in Python with example.	7
((ii)	Define polymorphism. Explain duck typing philosophy of Python in detail.	7
		OR AUGUSTON	
(How can we create object of class? Explain it with example. Explain instance methods and class methods in detail.	7
(i	0.50	Define operator overloading. How to overload the operators in Python? Explain with example.	7

Writ	te the following:		
(i)			d library with syntax and example.
(ii)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	with MySQL database ? Write the steps
	for inserting and deleting	g rows in/from tal	ble. 7
	gnäuter	OR	0.33
	List out types of errors Explain exception handli	in Python. Give ng in detail.	difference between error and exception.
(ii)	Define virtual environme install, show, search, free	ent. Why is it receive.	quired ? Explain the commands of pip.:
Attem	pt any seven out of twel	ve.	14
(a) in and not in		is and is not
. (c) in and is	-1 (%-11 -M	None
(2) 1	o separate the output wit		is used.
			sep attribute
(0	c) format()	5.45	None
(3) T	he split() method by defa		ues where a is found
		Car. 12	semicolon
(c) space		None
4) A	n anonymous function is		(A.1) (2) (2) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
(c)	self		cls
5) Th	e method returns	125 50	
(a)	index()		tuple()
(c)	len()		count()
) Do	The state of the s		
) Wh	at is the output of follow	ving and 2	Justify your answer.
		ving code /	
		LO	
		orinjal", "chilly"]
	25. 17.550		
5 %	REC 0	(b)	potato, chilly, tomato
(c)	potato, chilly, brinjal	(d)	chilly, brinjal
		2	- Sermontaga F isione
	(i) (ii) (ii) (ii) (iii)	getcwd(), glob(), findalle (ii) How can we establish Properties and deleting (i) List out types of errors Explain exception handlifind exception handlifing install, show, search, free exception handlifing install, show, search, free exception handlifing install, show, search, free exception and is exception in and is (1) The following operate the output with (a) in and not in (b) in and is (1) To separate the output with (a) end attribute (b) format() (2) To separate the output with (a) end attribute (b) in and is (b) format() (c) format() (d) representation is (a) lambda (b) self (b) index() (e) len() (f) Does Python support method in index() (g) len() (g) Does Python support method in its the output of following import random in the exception is print(random.choice(lst)) (g) potato	(i) Explain following functions of standar getcwd(), glob(), findall(), today(). (ii) How can we establish Python connection for inserting and deleting rows in/from tax OR (i) List out types of errors in Python. Give Explain exception handling in detail. (ii) Define virtual environment. Why is it reinstall, show, search, freeze. Attempt any seven out of twelve. (1) The following operators are member (a) in and not in (b) (c) in and is (d) (2) To separate the output with a comma, (a) end attribute (b) (c) format() (d) (3) The split() method by default splits the val (a) comma (b) (c) space (d) (4) An anonymous function is defined using (a) lambda (b) (c) self (d) (b) (c) self (d) (c) len() (d) Does Python support method overloading? What is the output of following code? import random 1st = ["potato", "tomato", "brinjal", "chilly" print(random.choice(lst)) (a) potato (b) (c) potato, chilly, brinjal (d)

	(a)	cls	(b)	self
	(c).	def	(d)	None
(9)	MR	O stands for		
	(a)	Method Revolution Order	(b)	Method Resolution Overload
	(c)	Method Resolution Order	(d)	Method Revolution Overload
(1.0)	The	pip list command will display _	in	the virtual environment.
	(a)	information about package	•	
	(b)	all of the packages installed		
	(c)	upgrade information about pac	kages	
	(d)	install the latest version of a pa	ickage	
(11)	Give	difference between function an	d meth	od.
12)	The c	cursor() method creates a curs on database. (True/ False)	or obje	ect that is capable for executing SQL