

Seat No.: 00766

NB-122

November-2023

B.C.A., Sem.-V

CC-302: Python Programming

(Theory)

T		'/ Hours] [Max. Marks :	70
11	me : 2	7 Hours	
1.	Wr (i)	ite the following: Why is Python called General purpose, interpreted, dynamically typed and multi paradigm scripting language? Justify your answer in detail.	71
	(ii)		
		OR	
1.	(i)	Explain membership and identity operator in detail and also explain the use of id() method.	7
	(ii)	List and explain different flavors of Python.	
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2.	Wri (i)	te the following: Define Array. List and explain methods to process array in Python with example.	7
	(ii)	Write the difference between function and method. Also explain default argument, keyword argument and variable length argument with example.	7
		OR	
2.	(i)	Write difference between List and Tuple. Explain different methods to process tuple in Python with example.	7
	(ii)	Explain anonymous function and function decorators in detail.	7
3.	Writ	te the following:	7
	(i)	Explain instance method, class method and static method in detail.	'
	(ii)	What is constructor? How can we create a constructor in Python? Explain self keyword in detail.	7
		OR	
3.	(i)	What is inheritance? List different type of inheritance in Python and also explain super() method with example.	7
	(ii)	Discuss MRO in detail.	7

4.	Whie	THE TOTTOWING .						
- W	(i) I	Explain necessary	y statements for databa	se (connectivity in Python with examp			
	(ii) \	What do mean by exceptions with pr	exception? Explain to	у,	except, else and finally block to ha	ole. 7 andle		
			OR			7		
4. (i) E	xplain any five s	standard libraries availa	hi-				
1000	ii) W	rite a short note	on virtual environmen	oie	in Python.	7		
			on virolimen	an	d pip command.	7		
5. A	ttemp	t any seven out o	of twelve ·					
	(1) What will be the output of following code: print ("hello"*2).							
	(a)	hello*2						
	(c)	hello		(b)	hellohello			
(2)	40	0 0000000000	ladda a au	(d)	егтог			
	(a)	insert()	d adds a content of list2	to	he end of list1.	(
	(c)	U	and the same	b)	extend()			
(3)				d)	add()			
(5)			n prints data type of the	ob	ect.			
	(a)		(1	b)	datatype()			
(4)	(c)	O		i)	view()			
		method	returns current working	di:	rectory.			
(5)	Inte		s fixed size in Python?					
(6)	13.51		prints memory address					
	(a)	address()	(b		id()			
(7)	(c)	show()	(d		view()			
			me of constructor in Pyt					
(8) (9)	g , ()							
(3)						()		
	(a)	comma	(b)		semicolon			
(10)	(c)	space	(d)		None			
		ne Method overlo						
(11)			s used to create array.					
	(a)	агтау	(b)		reate			
(12)	(c)	insert	(d)	200	ppend	8		
(12)	data.		uata type only stores t	iiiiq	ue data and eliminates duplicate			
	(a)	list	(b)	tu	ple			
	(c)	set	(d)		ctionary			
					The state of the s			