NB-107

November-2021

B.C.A., Sem.-V

CC-302: Python Programming

Time:	2 H	[Max. Marks : 50
Instru	etio	ns: (1) All questions in Section – I carry equal marks. (2) Attempt any TWO questions in Section – I. (3) Question-5 in Section – II is compulsory.
	(A) (B)	Section – I What is byte code? List and explain all features of Python. List out all sequences in Python. Explain any four types of sequences in Python. 10
2. ((A)	What is an array? Explain creating and importing an array module in different ways with examples in Python. Explain any three methods to process the arrays. 10
((B)	Explain how to define and call a function in Python with example. Explain positional and keyword arguments with examples.
	n)	What is inheritance? Discuss the problems with multiple inheritance. Describe MRO with suitable example. What is the use of self variable? Explain instance and class variables in detail. Explain passing members of one class to another class with example.
4. (<i>F</i>	4)	What is an exception? Explain exception handling in Python with example. List out any five built-in exceptions.
(B	3)]	Explain the following methods with syntax and example. : connect(), cursor(), execute(), fetchall(), commit().
		P.T.

5.	M	CQs. Section – II							
	(1	In Python, single line							
		(a)	*						
		(c)	//	(b)	#				
	(2)			(d)	None				
		(a)	—— operators compare the		ry locations of two objects.				
		(c)		(b)	logical				
	(3)		e format of range() function is	(d)	None				
		(a)		TO TO SERVICE STREET	in list.				
		(c)			range(stop, start, stepsize)				
	(4)	The			None of above				
		(a)	count()		currence of the element in tuple.				
		(c)	min()	(b) (d)	index() None				
	(5)	The			nents arranged in the form of key-value				
		pair	'S.	or Cicii	items arranged in the form of key-value				
		(a)	list	(b)	tuple				
		(c)	dictionary	(d)	none				
	(6)	The super().method() call							
		(a)	super class constructor						
		(b)	super class method						
		(c) super class constructor with arguments							
		(d)	None						
(7)	What is the output of following code?							
,	import re								
		str= '	This is a beautiful place'						
		ans=1	re.findall("is",str)						
		print((ans)						
		(a)	1	(b)	2				
			['is']	(d)	['is1, 'is']				
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(8)		If a variable, object or method exhibits different behaviour in different contexts, it is called						
	(a)	single inheritance	(b)	polymorphism				
	(c)	multiple inheritance	(d)	None				
(9)	The module used to create and manage virtual environments is called							
	(a)	env	(b)	envs				
	(c)	venv	(d)	None				
(10)		command will displ	ay all	of the packages installed in the virtual				
	(a)	pip show	(b)	pip search				
	(c)	pip list	(d)	pip freeze				