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Exam. Code : 107203 Subject Code : 1792

Bachelor of Computer Application (BCA) 3rd Semester COMPUTATIONAL PROBLEM SOLVING USING PYTHON

	Paper—III
Time A	Allowed—3 Hours] [Maximum Marks—75
Note:	—(1) Attempt any FIVE questions.
	(2) Use of Non-programmable, Non-storage Calculator is permitted.
1. (a	Name Python Data Types. 5
(b) Write the output for the following code : $x=10$
	y=20
	if (x>y):
	print x+y
	else:
	print x–y 5
(c	Explain with code the use of Escape Sequence in Python.
2. (a	Write a Python script to concatenate following dictionaries to create a new one. Sample Dictionary:
	dic1={1:10,
	$dic2={3:30,}$

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 $dic3=\{5:50,6:60\}$

Expected Result: {1: 10, 2: 20, 3: 30,

4: 40, 5: 50, 6:60}

(b) Write a Python program to sum all the items in a dictionary.

3. (a) Predict the output of the following program. Also state which concept of OOP is being implemented.

def sum(x,y,z):

print "sum=", x+y+z def sum(a,b):

print "sum=", a+b

sum(10,20) sum(10,20,30)

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(b) Define a class TravelPlan in Python with the following descriptions:

Private Members:

Plan Code of type long

Place of type character array (string)

Number_of_travellers of type integer

Number_of_buses of type integer 10

4. (a) Write a Python program that accepts a word from the user and reverse it.

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the state of	(b)	Write a Python program to convert month na	me
		to a number of days.	
		Expected Output:	
		List of months: January, February, March, Ap May, June, July, August, September, Octob November, December.	
		Input the name of Month: March	
		No. of days: 31 days	8
5.	(a)	Write a Python program to get the largest num	ber
		from a list.	7
	(b)	Write Python code to explain use of Break	and
		Continue keywords in Loops.	8
6.	(a)	Write a note on using Files in Python.	5
	(b)	Write a Python program to count the frequen	
		of words in a file.	10
7.	Usi	ng Python code highlight use Python Modules	and
	Top	Down Design.	15
8.	Usi	ng Python code highlight use Python API	for

querying Database Tables.

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