SHRI RAMSWAROOP MEMORIAL UNIVERSITY
End Semester Examination (2021-22)-Odd Semester

MBA (Business Analytics) – I Year (I Sem)

Course Name: Python	Code: MMG1702
Time: 02 Hours	Max Marks: 60

University Roll No.														

(To be filled by the Student)

Note: Please read instructions carefully:

a) *The question paper has 03 sections and it is compulsory to attempt all sections.*

b) *All questions of Section A are compulsory; questions in Section B and C contain choice.*

Section A: Very Short Answer Type Questions Attempt all the questions.	BL	CLO	Marks (10)
1.	Define the term Machine Learning and its importance in real world.	BL1	CLO6	02
2.	What is a csv file and how to import it using pandas?	BL1	CLO4	02
3.	List the methods that returns the first and last 10 rows of a Dataframe.	BL1	CLO4	02
4.	Discuss the need of a tuple with appropriate example.	BL1	CLO3	02
5.	Explain the range function in Python with example.	BL2	CLO2	02

Section B: Short Answer Type Questions Attempt any 03 out of 06 questions.	BL	CLO	Marks (30)
1.	Python is an attractive language for rapidly developing any sort of application. Explain some of the applications of Python.	BL1	CLO1	10
2.	Define the use of Function in Python with appropriate example.	BL2	CLO2	10
3.	Build a Program to check if first and last number of a tuple is same.	BL3	CLO3	10
4.	Distinguish between scatter plot and bar graph in Python with suitable examples.	BL6	CLO3	10
5.	Build a Python Program to Print Multiplication table of given number.	BL6	CLO2	10
6.	Build a Python program to print first 10 natural numbers using while loops.	BL6	CLO2	10

Section C: Long Answer Type Questions Attempt any 01 out of 04 questions.	BL	CLO	Marks (20)
1.	Explain List in Python and perform the following- Given Two number of list. Construct a Program to Create a new list such that the new list should contain odd number from the first list and even number from the second list.	BL5	CLO3	20

2.	Construct an outer function that will accept two parameters, a and b • Create an inner function inside an outer function that will calculate the multiplication and addition of a and b • At last, an outer function will add 10 into addition and return it.	BL6	CLO2	20

3.	Construct a Dataframe in Python with a shape of 7 rows and 5 columns and apply the following methods-
	   a) shape()
	   b) size()
	   c) head(3)
	   d) tail()
		BL6	CLO4	20

4	Considering the concepts of OOPS in Python Programming language discuss the relationship between Class and Objects with appropriate example.	BL5	CLO3	20