Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [11]

MCA (Semester – 2nd)
PROGRAMMING WITH PYTHON
Subject Code: MCAPD1223
Paper ID: [20270113]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(4 marks each)**

Q1. Illustrate the different types of control flow statements available in Python with flowcharts.

Q2. What do you understand by the term Iteration? How it is different from Recursion

Q3. Explain the following list methods with an example. a) append () b) extend () c) insert () index ()

Q4. What are modules and what is the benefit of them in Python using a suitable example.

Section – B **(8 marks each)**

Q5. Summarize various operators, built-in functions and standard library modules that deals with Python's numeric type.

Q6. What is Inheritance, super class, sub class. Discuss it with reference to Multiple Inheritance.

Q7. Discuss the concept of overriding. How it can be achieved in Python

Q8. What do you understand by the term Iteration? How it is different from Recursion

Section – C **(10 marks each)**

Q9. Enumerate the various OOPs Characteristics in Python.

Q10. Write a short note on Exception Handling in Python

Q11. Write a function in python to count the number of lines in a text file '**STORY.TXT'** which is starting with an alphabet **'A'.**