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MCA-E5

Python Programming

Master of Computer Application (MCA)

4th Semester Examination, 2023 (June)

Time : 2 Hours] **Max. Marks : 70**

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION–A
(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What do you understand by a constructor? Explain working of constructor in python with Example.

2. List and explain various object oriented programming concepts available in Python programming.

3. Explain about different logical operators in python with appropriate examples.

4. What do you understand by a class and objects? Describe the relationship between a class and object.

5. What do you understand by Exception? List some few common Exception types and explain when they occur.

SECTION–B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Define python. Give the features of python.

2. What is the difference between intermediate mode and script mode?

3. List the standard data types in python.

4. Write a program' in python to find whether a given number is Armstrong number or not.

5. What is meant by module in python? List some built in modules in python.

6. Explain briefly constant, variables, expression, keywords and statements available in python.

7. Write a program in python to test whether a given year is leap year or not.

8. Write short note on following :

(a) Continue statement.

(b) Pass Statement.

(c) Dictionary.