

2C8125

Roll No. 22CPGXX713

Total No. of Pages: 2

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MCA II - Sem. (Main / Back) Exam., - 2023

MCA - 205 Python Programming

Time: 3 Hours

Maximum Marks: 70

Instructions to Candidates:

Attempt all ten questions from Part A. All five questions from Part B and three questions out of five questions from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

*Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)*

1. NIL

2. NIL

PART - A

[10×2=20]

(Answer should be given up to 25 words only)

All questions are compulsory

Q.1 State any four applications where python is more popular.

Q.2 What are the uses of file object?

Q.3 State the basic functionality of match () function.

Q.4 What is Assertions?

Q.5 What is Pass statement?

Q.6 What is Command Line Argument?

Q.7 What do you understand by Polymorphism?

- Q.8 What is String-Only Operators?
Q.9 What are Exceptions?
Q.10 What do you understand by class variables?

[5×4=20]

PART – B

(Analytical/Problem solving questions)

Attempt all five questions

- Q.1 Explain the Identifiers, Keywords, Statements, Expressions, and Variables in Python Programming language with examples.
Q.2 Discuss the relation between tuples and lists, tuples and dictionaries in detail.
Q.3 Explain File Built – in function and File Built-in Methods in detail.
Q.4 Discuss the SQL commands/statements used for creating, using and dropping a database.
Q.5 Explain the process of creating and searching tables in Python.

[3×10=30]

PART – C

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any three questions

- Q.1 Explain While loop, Break statement and Continue statement in python with example.
Q.2 Write a program to concatenate the content of two files into a single file.
Q.3 What are Exceptions? Explain detecting and handling exceptions in Python.
Q.4 Explain the process of SQL database connection using Python in detail and Explain multithreading in Python.
Q.5 Explain Python data types and local and global scope of variable in Python by taking suitable examples.