

2111040102040002
EXAMINATION MARCH-APRIL 2024
MASTER OF COMPUTER APPLICATION
(SECOND SEMESTER)
PYTHON PROGRAMMING LANGUAGE (COURSE-204)
- LEVEL 4

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination: **MASTER OF COMPUTER APPLICATION (SECOND SEMESTER)**
 - b. Name of the Subject: **PYTHON PROGRAMMING LANGUAGE (COURSE-204) – LEVEL 4**
 - c. Subject Code No: **2111040102040002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Write in short (Any 7)

14

1. Explain byte array.
2. Explain complex data type of python programming.
3. Define pass by value and pass by reference.
4. What is recursion?
5. Explain python__ init__ () function.
6. Can we reshape an array into any shape? Justify the answer.
7. Define subplots () with its arguments.
8. Write use of raise keyword.

Q.2 Do as Directed

A. Explain set in python with its functions and example. **7**

OR

A. Differentiate List, Tuple, Set and Dictionary. **7**

B. Explain various functions to remove list and list items. **4**

C. Explain shorthand If and shorthand If else with example. **3**

Q.3 Write note on following (Any Two) **14**

A. Define user defined function. Explain function with default argument and keyword argument with example.

B. Define module? Explain specific function import using module and renaming a module with example.

C. Explain functions for creating, reading, updating, and deleting files with its mode in python.

Q.4 Explain in Detail (Any Two) **14**

A. Define Exception. How to handle multiple error in python?

B. Explain how object-oriented approach is supported by python programming?

C. Define numpy. Explain dimension in arrays.

Q.5 Do as Directed

A. What is the use of matplotlib library? Explain marker reference with example. **7**

B. Write a Python program to take input of a positive number, say N, with an appropriate prompt, from the user. Find the sum of first N odd numbers and first N even numbers. Display both the sums with appropriate titles. **4**

OR

- B. Write a python script to find out topmost frequent element in a list. **4**
- C. How to create arrays with a defined data type in python? **3**
