

TILAK MAHARASHTRA VIDYAPEETH, PUNE

MASTER OF COMPUTER APPLICATIONS

EXAMINATION: MAY - 2024

SEMESTER - III

Sub : Python Programming (MCA- 301-22)

Date: 29/05/2024

Total Marks: 60

Time: 2.00 pm To 4.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2 - 3 lines. (Any 5) (10)

1. Why python is Dynamically typed language?
2. What is the use of “not in” operator in string?
3. What is multiline comment in python?
4. Define docstring?
5. What are the key features of python?
6. What is set in python?
7. What is the purpose of pass keyword?

Q. 2. Answer the following in short. (Any 4) (20)

1. Explain difference between local and global variable with example
2. Explain with example membership operators in python
3. What is list in python? Write any list functions.
4. What is shallow copy and deep copy?
5. What is tuple? How tuples are created?
6. Explain how exceptions are handled in python

Q. 3. Answer the following in detail. (Any 3) (30)

1. Explain creating classes in Python with example.
2. What is python Module? Explain with example how to create module.
3. Explain with example function in python.
4. Write is file in python and its uses? Explain different modes available in file handling?
5. What is Dictionary? Explain Python dictionaries in detail discuss its operations and methods.
