

## B.C.A. Sem.-5 (Rep.) Examination

CC-302

Python Programming

October-2025

Time : 2-30 Hours]

[Max. Marks : 70

**Q - 1. Answer the following.**

1. Write a short-note on Python Virtual Machine. 07
2. Explain the different ways to execute a python program with example. 07

**OR**

1. List out the methods of array. Explain any four methods with example. 07
2. Write a short-note on command line arguments. 07

**Q - 2. Answer the following.**

1. Explain how to create and execute an int and character type array with example. 07
2. Explain Positional Arguments and Variable Length Argument passed to a function with example. 07

**OR**

1. Explain how list can be update and concatenate with example. 07
2. Explain different types of operation done on dictionary with example. 07

**Q - 3. Answer the following.**

1. Explain method overloading and method overriding in brief. 07
2. Explain class methods and instance methods in brief. 07

**OR**

1. Write a short-note on MRO. 07
2. Explain how to overriding super class constructors and methods in subclass with example. 07

**Q - 4. Answer the following.**

1. What is Pip? Explain how to manage package with pip. 07
2. Write a short-note on Types of Exceptions. 07

**OR****P.T.O**

1. Explain date and time functions in python. 07
2. Explain how to retrieving, inserting, updating and deleting rows from/to a table. 07

*Do as directed.*  
 Q - 5. ~~Choose the correct answer from multiple options.~~ (Any Seven) 14

1. The \_\_\_\_\_ method is useful to connect to the database.
  - a) connect()
  - b) connection()
  - c) cursorconnect()
  - d) connectcursor()
2. RuntimeError is a warning. (True/False)
3. The glob module provides a function for making file lists from directory. (True/False)
4. Constructor overloading is not supported by python. (True/False)
5. The super() method is used to refer all the member of base class from sub class. (True/False)
6. Class methods are written using \_\_\_\_\_ decorator.
  - a) @classmethod
  - b) @staticmethod
  - c) @instacemethod
  - d) @clsmethod
7. A slice represents the position number of an array. (True/False)
8. Function without a name is called \_\_\_\_\_.
  - a) lambda
  - b) anonymous
  - c) both a and b
  - d) none of above
9. Tuples are mutable. (True/False)
10. The \_\_\_\_\_ method is used to returns the value associated with the key.
  - a) get()
  - b) keys()
  - c) items()
  - d) fromkeys()
11. The module that represents the garbage collector is called gc module. (True/False)
12. To accept more than one value in the same line, \_\_\_\_\_ method is used.
  - a) format()
  - b) split()
  - c) eval()
  - d) newline()

