

B.C.A Semester - 5 (CBCS) Examination
December -2020 (NEW COURSE)
Basic Python (Core)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
-

Que-1 (a) Answer the following Questions. [03]

1. A comment in python starts with _____ character.
2. In python a function is defined by the _____ keyword.
3. _____ is an unordered collection of unique items.

(b) Answer the following.(Any Two) [06]

1. Explain features of python.
2. What is mutable? List out mutable types in python.
3. Explain for loop in python.
4. Explain Input and Output function in python.

(c) Answer the following.(Any One) [05]

1. Explain python data types.
2. Explain python Modules.

Que-2 (a) Answer the following Questions. [03]

1. _____ function open file stream into python variables.
2. The _____ function return the length of a string.
3. Key and value separate using _____ sign in dictionary.

(b) Answer the following.(Any Two) [06]

1. Explain python tuples.
2. Explain any three string method available in python.
3. How to navigate file pointer position in python.
4. How to read and write file stream in python.

(c) Answer the following.(Any One) [05]

1. Write a short note on python sets.
2. Explain python Dictionary.

Que-3 (a) Answer the following Questions. [03]

1. In Exception handling Else clause run only when no exception is raised, is it true or false?
2. In _____ search check the items in sequence until the desired item is found.
3. What is constructor in python?

(b) Answer the following.(Any Two) [06]

1. What is Class? How to create a class?
2. What is inheritance? List out types of inheritance.
3. Explain Hashtable.
4. Differentiate method overloading and method overriding.

(c) Answer the following.(Any One) [05]

1. Explain Binary /search Algorithm.
2. Explain Selection Sort Algorithm.

Que-4 (a) Answer the following Questions. [03]

1. The module _____ provide full support for regular expression.
2. CSV stand for _____
3. DOM stand for _____

(b) Answer the following.(Any Two) [06]

1. Explain Match () function with example.
2. List out Special Character class. Explain any one.
3. Explain DOM (Document Object Model) API in python.
4. Explain sub () function with example.

(c) Answer the following.(Any One) [05]

1. How to read CSV File explain with example.
2. Explain JSON with JSONEncoder and JSONDecoder class.

Que-5 (a) Answer the following Questions. [03]

1. _____function is used to create database connection in mysql with python.
2. The primary programming interface to mysql is _____.
3. _____clause is used to “group rows together by common column values”.

(b) Answer the following.(Any Two) [06]

1. What is mysql? How to install mysql
2. How to create database in mysql?
3. How to create table in mysql using python?
4. How to test mysql connector?

(c) Answer the following.(Any One) [05]

1. Write a python code to perform insert and delete operation on table ‘Student (rno, name, address, phone)’.
2. Explain join operation in mysql using python.
