

B.C.A Semester - 5 (CBCS) Examination
Oct/Nov - 2022 (NEW COURSE)
Basic Python(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Q:1 [A] Attempt following questions. [3]

1. _____ is a special literal available in Python.
2. $C = 10 + 20j$ then C is a _____ type object in Python.
3. range() function take maximum _____ parameter.

Q:1 [B] Attempt following. (Attempt any two) [6]

1. Explain input(), print() function available in Python.
2. Explain Python conditional statement with an example.
3. What is Literals? Explain types of Literal available in Python.
4. Explain break and continue statement with suitable example.

Q:1 [C] Attempt following. (Attempt any one) [5]

1. Explain for loop with suitable example.
2. Explain user define function in Python with suitable example.

Q:2 [A] Attempt following questions. [3]

1. If file opening mode is not specify then default, open () function open file with _____ mode.
2. _____ collection in Python, never store duplicate number.
3. $S = \text{'BKNM UNIVERSITY'}$ then $\text{print}(S[-5])$ return _____ character.

Q:2 [B] Attempt following. (Attempt any two) [6]

1. Explain open() function with all file opening modes.
2. Explain seek() and tell() method of file object.
3. What is slicing? Explain string slicing with an example.
4. What is tuple? How to modify tuple? Explain with an example.

Q:2 [C] Attempt following. (Attempt any one) [5]

1. What is list? Explain any five methods of list.
2. Write a short note on Python dictionary.

Q:3 [A] Attempt following questions. [3]

1. _____ section of exception handling always execute, if exception raised or not.
2. _____ parameter must pass in every member function in class.
3. _____ method identified constructor within class.

Q:3 [B] Attempt following. (Attempt any two) [6]

1. What is an exception? Explain exception handling in Python.
2. Explain assert statement with an example.
3. Explain linear search with an example.
4. What s inheritance? List out types of inheritance.

Q:3 [C] Attempt following. (Attempt any one) [5]

1. What is an encapsulation? Explain private method with an example.
2. Explain binary search with an example.

Q:4 [A] Attempt following questions. [3]

1. _____ special character classes match white space character from string.
2. If we want to match exactly three digits then we check re as _____.
3. Using _____ method we read data from JSON file.

Q:4 [B] Attempt following. (Attempt any two) [6]

1. Explain findall() function with example.
2. List out special character class available in regular expression.
3. Explain search() function with example.
4. Explain split() function with example.

Q:4 [C] Attempt following. (Attempt any one) [5]

1. What is JSON? Explain JSONEncoder and JSONDecoder class.
2. Write a script, which is read data from xml file.

Q:5 [A] Attempt following questions. [3]

1. mysql.connector.connect() function take _____ maximum parameters.
2. _____ object support execute() method to execute query in mysql.
3. When we insert multiple row through connection, then we use executemany() method. (True/False)

Q:5 [B] Attempt following. (Attempt any two) [6]

1. How to create database in mysql through Python script?
2. Explain mysql.connector module in detail.
3. Explain fetchall() and fetchone() method.
4. Explain cursor() method of connection object in python.

Q:5 [C] Attempt following. (Attempt any one) [5]

1. Explain execute() and executemany() method.
2. To write a Python code to perform insert operation on table “employee” with following attributes.

Attributes : empno, ename, salary, city, deptno, mobileno
