

B.C.A Semester - 5 (Remedial) (CBCS) Examination
March/April-2023 (NEW COURSE)
Basic Python(Core)

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

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

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- Q.1(A) Answer the following questions. (03)
1. Python uses _____ function to check the type of variable.
 2. In Python Multi lined comment can be given inside _____ quotes.
 3. Python uses _____ to indicate a block of code.
- Q.1(B) Answer the following questions. (Any Two) (06)
1. Explain Python Modules.
 2. Explain Python Literals.
 3. Explain Features of Python.
 4. Explain Python Conditional Statements.
- Q.1(C) Answer the following question. (Any One) (05)
1. Explain Python Functions in details.
 2. Explain Python Data Types in details.
- Q.2(A) Answer the following questions. (03)
1. The _____ method reads a string from the file in python.
 2. _____ function is used to change current file position in python.
 3. _____ function is used to remove all items from the dictionary.
- Q.2(B) Answer the following questions. (Any Two) (06)
1. Difference between List and Tuple in Python.
 2. How to read and write file in Python.
 3. Explain string slicing with example.
 4. Explain Python Sets with example.
- Q.2(C) Answer the following question. (Any One) (05)
1. Explain Python Strings in details.
 2. Explain Python Dictionary in details.
- Q.3(A) Answer the following questions. (03)
1. Python uses try and _____ keywords to handle exceptions.
 2. _____ block will run every time no matter exception occurs or not.
 3. _____ method is known as a destructor method in Python.
- Q.3(B) Answer the following questions. (Any Two) (06)
1. Explain Common Exceptions in python with example.
 2. Explain Python Constructor.
 3. Explain Encapsulation in python.
 4. Explain Operator overloading in python.
- Q.3(C) Answer the following question. (Any One) (05)
1. Explain types of Inheritance with example.
 2. Explain Linear Search Algorithm with example.
- Q.4(A) Answer the following questions. (03)
1. Full form of XML.
 2. Full form of JSON.
 3. Full form of DOM.

- Q.4(B) Answer the following questions. (Any Two) (06)
1. What is Regular Expression in python?
 2. Explain split() and sub() function with example.
 3. Difference between search() and match() function in regular expression.
 4. Explain json.loads() and json.dumps() methods with example.
- Q.4(C) Answer the following question. (Any One) (05)
1. Explain python CSV module in details.
 2. Explain python XML module in details.
- Q.5(A) Answer the following questions. (03)
1. To connect python with MySQL database, we must import _____ module.
 2. To insert multiple rows into table, use the _____ method in python.
 3. Use the _____ to represent wildcard characters in python.
- Q.5(B) Answer the following questions. (Any Two) (06)
1. How to create database and table in MySQL using python.
 2. Explain wildcard character in python with example.
 3. What is Database Transaction? Explain commit() and rollback().
 4. Explain Limit and Offset statements with example.
- Q.5(C) Answer the following question. (Any One) (05)
1. Explain types of join in MySQL using python.
 2. Write a python code to insert and delete operation on table 'Employee (Eno, Name, Phone)'.
