

B.C.A Semester - 5 (Remedial) (CBCS) Examination**Feb/Mar. -2021 (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.

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- Q.1(A) Attempt the following. (03)
1. Who is founder of Python?
 2. IDLE stands for_____.
 3. _____keyword is used to create user define function in python.
- Q.1(B) Answer the following: (any Two) (06)
1. Define Input with Example.
 2. Explain Features of Python.
 3. Explain Conditional statements with Example.
 4. Explain break and continue statements with Example.
- Q.1(C) Answer the following: (any One) (05)
1. Explain Python Modules with Example.
 2. List out Type of operator in Python. Explain any one in detail.
- Q.2(A) Attempt the following. (03)
1. _____Brackets is used for List data type.
 2. _____Brackets is used for Tuples data type.
 3. Write Read () and Write () in File Handling.
- Q.2(B) Answer the following: (any Two) (06)
1. Explain Python Strings in details.
 2. Explain Escape Sequences in string.
 3. What is File? Write all File Mode in Details.
 4. Explain Tuples with its method. Give suitable Example.
- Q.2(C) Answer the following: (any One) (05)
1. What is Dictionary in Python? Explain With characteristics. Also write method of Dictionary.
 2. What is Sets in Python? Explain With characteristics. Also write method of sets.
- Q.3(A) Attempt the following. (03)
1. ADT stands for_____.
 2. List out types of Searching Algorithms.
 3. What is Hashtables?
- Q.3(B) Answer the following: (any Two) (06)
1. What is Assertion?
 2. Explain Class and Object with example.
 3. Explain Built in class attributes with example.
 4. Explain Selection sort with its algorithms.
- Q.3(C) Answer the following: (any One) (05)
1. Explain Inheritance with its type in detail.
 2. Explain Binary search with its program.
- Q.4(A) Attempt the following. (03)
1. Which module is use to import Regular Expressions?
 2. Full form of CSV is_____.
 3. Full form of DOM is_____.
- Q.4(B) Answer the following: (any Two) (06)
1. Explain Match function with Example.
 2. Explain Search function with Example.
 3. What is JSON? Explain with example.
 4. What is XML? Explain with example.

- Q.4(C) Answer the following: (any One) (05)
1. Write a program to read data from csv file.
 2. Write a Python Script to find out that an email id entered by user is valid or not Using python “re” module.
- Q.5(A) Attempt the following. (03)
1. DBI stands for_____.
 2. What is MySQLdb?
 3. Explain fetchone ().
- Q.5(B) Answer the following: (any Two) (06)
1. Explain Commit and Rollback operation.
 2. Explain Atomicity, Consistency, Isolation, and Durability.
 3. Write step how to install and configure MySQL dB in python.
 4. Explain Read Operation with all method.
- Q.5 (C) Answer the following: (any One) (05)
1. Explain all types of join with example.
 2. Write a program that connect MySQL dB and create Student Table and insert 5 record using Query. And Display all the record.
