

SEAT No. _____

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[34]

SARDAR PATEL UNIVERSITY
B.Sc (SEMESTER – VI) EXAMINATION : JULY-2021
COMPUTER SCIENCE

US06CCSC23: PYTHON PROGRAMMING

Date: 17/07/2021, Saturday Time: 10:00am to 12:00Noon Max. Marks: 70

Q.1 Multiple choice of Question:

10

- Which of the following cannot be a variable?
A. `__init__` B. `in` C. `it` D. `on`
- Which is the correct operator for power(xy)?
A. `X^y` B. `X**y` C. `X^^y` D. None of the mentioned
- Which one of these is floor division?
A. `/` B. `//` C. `%` D. None of the mentioned
- Which of the following items are present in the function header?
A. function name B. parameter list C. return value D. Both A and B
- What is called when a function is defined inside a class?
A. class B. function C. method D. module
- If return statement is not used inside the function, the function will return:
A. None B. 0 C. Null D. Arbitrary value
- Which of the following commands can be used to read “n” number of characters from a file using the file object <file>?
A. `file.read(n)` B. `n = file.read()` C. `file.readline(n)` D. `file.readlines()`
- Which of the following functions displays a file dialog for opening an existing file?
A. `tmpfile = askopenfilename()` B. `tmpfile = asksaveasfilename()`
C. `tmpfile = openfilename()` D. `tmpfile = saveasfilename()`
- Which databases can we use with python?
A. MySQL B. SQLite C. MongoDB D. All
- How can we create the cursor object?
A. Using `cursor()` B. Using `connection()`
C. Using `create()` D. Using `con()`



Q.2 Fillup the blanks or True/False.

8

- Mathematical operations can be performed on a string. [True / False]
- What is the output of `print 0.1 + 0.2 == 0.3`? [True / False]
- (minus) operators can be used with Strings? [True / False]
- `str.len()` statement can be used to return the length of the given String, str? [True / False]
- To read two characters from a file object infile, we use _____.
- To read the next line of the file from a file object infile, we use _____.
- _____ statement is used to update the table?
- _____ format specifier is used in place of values?

(1)

(P.T-0.)

Q.3 Answer the following questions in SHORT (Any 10):

20

1. What is a dynamically typed language?
2. How is memory managed in Python?
3. What are Python namespaces? Why are they used?
4. Explain positional argument with example.
5. Explain Difference (-) in sets with example.
6. Give syntax of rindex().
7. Explain search function with syntax.
8. Explain findall() and split() function.
9. Explain csv file with custom delimiter.
10. Write a syntax of connection creation.
11. Explain the right join with example.
12. List out the properties of transaction.



Q.4 Answer the following questions in LONG (Any 4):

32

1. Explain sets in python with example.
2. Explain list, tuple and range sequences in python with example.
3. Describe iterating through a string(for)
4. How to perform slicing of string. Explain with syntax and example.
5. Explain python files operations: Open file, Create new file and delete file.
6. Explain python Exception Handling with example.
7. Explain how to create new database in detail with example.
8. Explain the update and delete operations in detail.

— x —

(2)