SEAT No._____

[28]

SARDAR PATEL UNIVERSITY
B.Sc. (Information Technology)
Semester – 6 (Reg) CBCS Examination
Saturday, 25th June 2022

Time : 10:00 am to 2:00 pm

Course Code : US06CINT23   Course Title: PYTHON PROGRAMMING

TOTAL MARKS : 70

Q1.   **Multiple Choice Questions (One mark Each)**   **[10]**

1. Identifier is start with _____ then it indicates it is private.
   - a. Ampersand(&)
   - b. Dollar Sign ($)
   - c. Double Underscore(__)
   - d. Underscrore(_)

2. Which symbol is used to create single line comment?
   - a. *
   - b. #
   - c. $
   - d. !

3. Which of the following operator is used for floor division?
   - a. //
   - b. %
   - c. **
   - d. /

4. Which of the following is not a mutable datatype?
   - a. List
   - b. Set
   - c. Tuple
   - d. Dictionary

5. Which of the following statement removes all elements of dictionary named *dict.*
   - a. dict.clear()
   - b. dict.copy()
   - c. dict.tuple()
   - d. dict.get()

6. Which of the following brackets are used to create a list?
   - a. {}
   - b. []
   - c. ()
   - d. None of the above

7. While accessing an index out of the range will cause an
   - a. NameError
   - b. IndexError
   - c. TypeError
   - d. KeyError

8. Function calling itself is known as _____.
   - a. default
   - b. keyword
   - c. recursive
   - d. argument

9. _____ represents an entity in the real world with its identity and behaviour.
   - a. Class
   - b. Function
   - c. Method
   - d. Object

10. The assignment of more than one function to a particular operator is known as operator _____.
    - a. overloading
    - b. over-assignment
    - c. overriding
    - d. instance

Q2.   **Fill in the blanks and True or False.**   **[08]**

1. _____ operator is the used to calcuate power(ab).
2. _____ function deletes a list or tuple permanently
3. _____ statement is used to return a value by the calling function.
4. _____ is used to create an object.
5. .py is extension of a python file. **(True/False)**
6. D={} creates an empty dictionary. **(True/False)**
7. fun keyword is used to declare a function. **(True/False)**
8. Instantiation in terms of OOPs terminology means creating an instance of class.**(True/False)**

(P.T.O.)

Q3. Short Question (Attempt any 10)   [20]

1. Explain input() function in brief.

2. Explain print() function in brief.

3. List different datatypes of python.

4. Explain List slicing in brief.

5. Explain Union and Intersection operations on set with example.

6. Explain List slicing in brief.

7. Explain fopen() function in brief with example.

8. Explain how to delete a file in Python.

9. Explain fopen() function in brief with example.

10 Explain inheritance with example.

11. What is Encapsulation?

12. Explain Create Table statement with Example.

Q4. Long Answer Questions (Attempt any 4)   [32]

1. List and explain any 3 operators used in Python in detail.

2. Explain any two decision making statements used in Python

3. What is a Tuple? Explain following operations on tuple in detail with example.

    i) create tuple ii) print the values of tuple iii) find length of tuple iv) delete a tuple

4. What is List ? Explain following functions with respect to list datatype with example:

    (a) Count   (b) append   (c) pop   (d) max

5. Define Function? Explain how to create and call function. Explain how to pass arbitrary arguments and default arguments to a function.

6. Write detailed note on Exception Handling.

7. Explain Update Statement with example.

8. Write short note on Regular expression.

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