Enrollment No: _____   Exam Seat No.:_____

C.U.SHAH UNIVERSITY
Summer Examination-2018

Subject Name: Python Programming

Subject Code: 4CS05IPP1   **Branch: B.Sc.IT**

Semester: 5   **Date: 21/03/2018**   **Time: 10:30 To 1:30**   **Marks: 70**

Instructions:
(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Que-1 Attempt all the following short questions.   **[14]**
1. Who is the founder of Python?
2. Define constant.
3. What is variable?
4. Explain comment in short.
5. Define exception.
6. What is file?
7. What do you mean by object?
8. Explain self-parameter in short.
9. Give the full form of: UDF.
10. What is the use of return statement?
11. What is the use of break statement?
12. Explain comment in short.
13. Define expression.
14. What is identifier?

Attempt any four questions from Que-2 to Que-8

Que-2 Attempt all questions.   **[14]**
1. Write a note on features of python.   [7]
2. Explain string and tuple data types in details.   [7]

Que-3 Attempt all questions.   **[14]**
1. Explain any seven string functions in python.   [7]
2. What is class and object? Explain with example.   [7]

Que-4 Attempt all questions.   **[14]**
1. What is function? How to define and call a function?   [7]
2. Explain pass by value and pass by reference with example.   [7]

Que-5 Attempt all questions. [14]
1. Explain if and if..else statements in detail. [5]
2. Explain while loop with example. [5]
3. Explain break and continue in short. [4]

Que-6 Attempt all questions. [14]
1. Describe opening and closing of a file in detail. [5]
2. Write a note on exception handling in python. [5]
3. Explain file object attributes. [4]

Que-7 Attempt the following questions. [14]
1. Write a python program to get largest number from a list. [7]
2. Write a Python function that takes a list and returns a new list with unique elements of the first list.
   Sample List: [1, 2, 3, 3, 3, 3, 4, 5]
   Unique List: [1, 2, 3, 4, 5] [7]

Que-8 Attempt all questions. [14]
1. Write a python program to get Fibonacci series between 0 and 50. [7]
2. Write a C python program to count even and odd numbers from a series of numbers. [7]