

C. U. SHAH UNIVERSITY

Winter Examination-2018

Subject Name: **Python Programming**Subject Code: **5CS05MPY1**Branch: **M. C. A.**Semester: **5**

Date: 30/11/2018

Time: 10:30 To 01:30

Marks: **70****Instructions:**

- (1) Use of Programmable calculator and 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.

SECTION-I

- Q. 1 Answer the following questions. 07**
- (a) Write program to convert decimal number into binary and octal number system. **02**
 - (b) Write the program statement to evaluate an expression. **02**
 - (c) Write program code which shows how .format() method can be used to align string information in Left, Right and in center on the screen. **02**
 - (d) What is the use of raw string symbol r' in python? **01**
- Q. 2 Attempt all questions. 07**
- a) Explain Label & Text widgets. Write program code to display some contents on Label widget using Tkinter library. **07**
 - b) Write note on Python identifiers, Lines and Indentation. **07**
- OR**
- Q. 2 Attempt all questions. 07**
- a) Write Python program to sort alphabetically the words from a string provided by the user. **07**
 - b) Explain Nested if statement and elif. **07**
- Q. 3 Attempt all questions. 07**
- a) How file can be managed in Python? Explain writelines() and readlines() methods with example. **07**
 - b) Explain in detail: Functions in Python. **07**
- OR**
- Q. 3 Attempt all questions. 07**
- a) What is List? Illustrate the uses of any five operations written using dot notation. **07**
 - b) Write a Python program which accepts sequence of comma separated 4 digit binary numbers as its input and then check whether they are divisible by 5 or not. The numbers that are divisible by 5 are to be printed in a comma separated sequence. **07**



SECTION-II

Q. 4 Answer the following questions.

- (a) What is the use of shuffle() function? **02**
- (b) How Operating System's clear command can be used within Python code to clear the screen? **02**
- (c) What is the use of pass statement? **02**
- (d) Which symbol used to commenting the statement in Python? **01**

Q. 5 Attempt all questions.

- a) Explain menu and menu button in detail. **07**
- b) How RadioButton can be inserted and managed in Python GUI? **07**

OR

Q. 5 Attempt all questions.

- a) Explain with syntax and example that how while loop can be used to execute a statement repeatedly? **07**
- b) What is dictionary? Write down the most common operations for a dictionary. **07**

Q. 6 Attempt all questions.

- a) Explain any seven String functions. **07**
- b) Describe and explain the uses of Interactive Execution. **07**

OR

Q. 6 Attempt all questions.

- a) Write note on Operators in Python. **07**
- b) Explain print, eval, input and raw_input statements. **07**

