SYBSCIT Sem III Reg & A.T.K.T. Exam Oct-2022

Malini Kishor Sanghvi College 14/10/22

Sub-Python Programming **Class-Sy (BSc).IT**

(2½ Hours) **[Total Marks: 75]**

N. B.: (1) All questions are compulsory.
(2) Make suitable assumptions wherever necessary and state the assumptions made.
(3) Answers to the same question must be written together.
(4) Numbers to the right indicate marks.
(5) Draw neat labelled diagrams wherever necessary.
(6) Use of Non-programmable calculators are allowed.

1. Attempt any three of the following: **15**

1. Explain interactive mode and script mode.
2. Explain different data types in python.
3. Write a Program for looping statement.
4. Write a program to display even and odd numbers.
5. Difference between bracket, braces and parentheses.
6. Explain the difference between variable and key words.

2. Attempt any three of the following: **15**

1. Explain string comparison with the help of example.
2. What is import? Explain the ways of importing in python.
3. Explain fruitful function and leap of faith.
4. Explain operations in string with the help of example.
5. Explain any 5 built in functions that are used with strings.
6. Write any 5 string methods and demonstrate a program for it.

3. Attempt any three of the following: **15**

1. Explain indexing and negative indexing.
2. Write a short note on list operators.
3. Explain any five built in functions in dictionary
4. Explain built in list operators.
5. Explain Files and opening and closing of files.
6. Difference between list and tuples.

4. Attempt any three of the following: **15**

1. What are multi threading? Explain with an example.
2. Explain various types of regular expressions.
3. What is OOPS? Explain the concept of OOPS in short.
4. What are regular expression? Explain any 5 patterns.
5. Explain inheritance in python with the help of example.
6. Explain concept of data hiding and data encapsulation.

[P.T.O]

5. Attempt any three of the following: **15**

1. Write a short note on grid geometry manager in python.
2. Explain button, check box, radio button, frame.
3. What is GUI? Explain its advantages.
4. Write a program to explain layout management in python.
5. Explain look and feel customization in python.
6. Explain canvas, menu button, list box and message.