

B.Sc. - III (CBCS Pattern) Semester-VI
USCST11.3 - Elective-III - Computer Science Paper-II : Python Programming

P. Pages : 2

Time : Three Hours



GUG/W/24/13347

Max. Marks : 50

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- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram whenever necessary.
 3. Avoid vague answer and write answer relevant and specific to question only.

Either:

1. a) Write down the Features of Python Programming. 5
- b) Explain the Arithmetic operations with suitable example. 5

OR

- c) What do you mean by Datatypes? Explain them. 5
- d) What is variable? Explain, how to declare variables. 5

Either:

2. a) What is the syntax of if-else statement? Explain with suitable example. 5
- b) What is string? Explain any two the string functions. 5

OR

- c) Explain the following terms- 5
 - i) Lists
 - ii) Tuples
- d) Write a Python program to find the sum of first N Natural numbers. 5

Either:

3. a) What do you mean by Function? Write down the Advantages of functions. 5
- b) Explain the Global and local variable. 5

OR

- c) Explain the following terms- 5
 - i) Formal parameters
 - ii) Actual parameters
- d) What is module? Explain the math module in detail. 5

Either:

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| 4. | a) | Explain the try and finally clause with suitable example. | 5 |
| | b) | What do you mean by overloading? Explain with suitable example. | 5 |

OR

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|-----------|----|---|-----------|
| | c) | What is Exception? Explain the user defined exception. | 5 |
| | d) | What do you mean by Inheritance? Explain with suitable example. | 5 |
| 5. | | Attempt all the questions. | |
| | a) | Explain the printing on screen. | 2½ |
| | b) | Write a note on Dictionaries | 2½ |
| | c) | Explain the Anonymous functions. | 2½ |
| | d) | What do you mean by class? Explain it. | 2½ |
