

B.Sc.- III (Information Technology) CBCS Pattern Semester-VI
004 / UBITT603.1 - Paper-III - Elective-I : Python Programming

P. Pages : 2

Time : Three Hours



GUG/W/23/13315

Max. Marks : 40

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

Either:

1. a) Enlist and explain the features of python in detail. 4
- b) Explain the basic data types in python with examples. 4

OR

- c) Write python program to demonstrate the arithmetic operators. 4
- d) Demonstrate the rules of declaring variables in python. 4

Either:

2. a) Demonstrate the precedence of operators in python. 4
- b) Explain conditional statements in python with example of any one conditional statement. 4

OR

- c) Write a program in python to demonstrate for loop. 4
- d) What is string? Explain the concept of string manipulation in python. 4

Either:

3. a) Define function in python demonstrate the procedure of calling function. 4
- b) Differentiate between actual parameters and formal parameters. 4

OR

- c) What do you mean by scope of a variable? Explain global and local variables with example. 4
- d) Describe math module in python with example. 4

Either:

4. a) Explain the concept of exception handling in python. 4
b) Write a detail note on user defined exception in python programming. 4

OR

- c) Write a program in python to demonstrate class and object. 4
d) What is networking? How sockets are implemented in python programming? Explain in detail. 4
5. Solve all the questions.
- a) Write a note on Input- Output statements in python. 2
b) Explain dictionary in python with example. 2
c) Demonstrate Random module in python. 2
d) Explain threads in python. 2
