

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/24/13315

Max. Marks : 40

-
- Notes :
1. All the questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answer and write specific answer related to question.

Either:

1. a) Explain the features of python programming. 4
- b) Write a python program for reading the data from keyword. 4

OR

- c) Describe the steps to write and execute a simple python program. 4
- d) Write a program in python for display a message “Hello python”. 4

Either:

2. a) What is type casting? Explain with suitable example. 4
- b) What is list in python? Give an example of list. 4

OR

- c) Define following: 4
 - i) Nested if
 - ii) Ladder
- d) Write a python program to demonstrate nested loop. 4

Either:

3. a) What is function? Write the producer to defining a function. 4
- b) Write a python program to demonstrate math module. 4

OR

- c) Differentiate between Formal parameters and actual parameters. 4
- d) Describe the procedure to create and explore the modules. 4

Either:

- | | | | |
|-----------|----|---|----------|
| 4. | a) | What do you mean by the exception, explain its types. | 4 |
| | b) | Write a python program to demonstrate regular expression. | 4 |

OR

- | | | | |
|-----------|-----|--|----------|
| | c) | Define following: | 4 |
| | i) | Overloading | |
| | ii) | Overriding | |
| | d) | Write a python program to describe single inheritance. | 4 |
| 5. | | Solve all the questions. | |
| | a) | Explain the basic syntax of python program. | 2 |
| | b) | Write a short note on tuples. | 2 |
| | c) | What do you mean by function parameter. | 2 |
| | d) | Explain the Data Hiding concept in python. | 2 |
