



M.Sc. II Semester Degree Examination, September/October - 2022

COMPUTER SCIENCE

21CSC2C6L (DSC6) : Python Programming

Time : 3 Hours

Maximum Marks : 70

Instruction : Answer *any five* of the following with question no. **1 compulsory**.

1. (a) Explain how Python is different from other programming languages. 7
(b) Categorize the types of data type in Python. 7
2. (a) What is Tuples in Python ? Explain the tuple packing and unpacking concept. 7
(b) Illustrate the list comprehension method. 7
3. (a) Define modules in Python. Demonstrate create (), naming () renaming () operations in Python modules. 7
(b) Describe the different types of errors in Python. 7
4. (a) Explain the self parameter with suitable example in Python. 7
(b) How can we define a class in Python. Give the general syntax and example of it. 7
5. (a) Discuss the concept of operator overloading in Python. 7
(b) Explain the concept of method overriding in Python with an example. 7
6. (a) Distinguish between list and arrays. 7
(b) Demonstrate the working of string formatting operator. 7
7. (a) Categorize the different data members in Python. 7
(b) Summarize multithreading in Python. 7
8. Write a short note on the following :
 - (a) NUMPY 5
 - (b) Exception handling 5
 - (c) def keyword 4

