

**Assignment Questions**

SUB: Python programming      YEAR-SEM-BRANCH:III-I-CSE-C      AY:2017-18

---

UNIT-1

1. Explain about need of python?
2. What is Python? State some programming language features of Python
3. What are the applications of python?
4. What are the running instructions of python scripts?
5. How to define variable in python and explain about the scope of the variables.
6. Explain about input and output statements.
7. Explain about the indentation.
8. Explain Python Execution Environment in detail.
9. Write a sample program and explain the role of interpreter of Python.

UNIT-2

1. Explain about the different data types?
2. Explain about the different types of operators explain with examples.
3. Explain about the different conditional with examples?
4. Explain about the different control looping statements with examples?

UNIT-3

1. Explain about the slicing?
2. How to create a method in python explain with example?
3. Explain the following terms:
  - i) Lists
  - ii) Tuples
  - iii) sets
  - iii) Dictionaries[7]
4. Explain about the following terms
  - i) Sequences
  - ii) Comprehensions

#### UNIT-4

1. How can we pass optional or keyword parameters from one function to another in Python?
2. Explain about the scope of the variables in functions.
3. Explain the built-in string handling functions in Python.
4. Explain how can we create modules in Python. What are the uses of modules?
5. Explain how to install packages via PIP.

#### UNIT-5

1. Explain about OOPs principles of Python.
2. What is inheritance? Explain the types of inheritance with neat diagrams
3. What is a class? How Python can facilitate encapsulation to the programmers? Give an example.
4. What is constructor? Explain the constructor (method) overloading concept in detail.
5. Explain the Errors and Exception Handling in PYTHON programming Environment

#### UNIT-6

1. Explain about the string pattern matching with an example?
2. Explain about the following terms
  - i) Mathematics
  - ii) Internet Access
  - iii) Dates and Times
  - iv) Data Compression
3. Explain about the multithreading in python?
4. Explain about the unit testing un python?

Signature of the faculty

Signature of the HOD