

## COMPUTER PROGRAMMING USING PYTHON

Code No. : 2231

Time : 2:30 Hours]

NOTES:

[Maximum Marks : 50

- i) Attempt all questions.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.
- iii) Use of Pager and Mobile Phone by the students is not allowed.

Q1) Attempt any two of the following:

[2 × 5 = 10]

- a) How will you create an object in python.
- b) What are regular expressions in python. How these expressions can be accessed.
- c) Is it possible to assign a single value to more than one variable. If yes how it is done.

Q2) Attempt any two parts of the following:

[2 × 5 = 10]

- a) What is a shift operator in python? Discuss.
- b) What is a set? How a set is created?
- c) How a function is called or executed?

Q3) Attempt any two parts of the following:

[2 × 5 = 10]

- a) What are standard library modules in python.
- b) What are user defined exceptions? Illustrate through example.
- c) How you can append data on to a file? Illustrate with example.

Q4) Attempt any two parts of the following:

[2 × 5 = 10]

- a) What are character classes? Discuss their use with suitable example.
- b) What is data stream? How will you create own data stream.
- c) What is IDLE? Write a python program for find Number is Prime or Not.

Q5) Attempt any two parts of the following:

[2 × 5 = 10]

- a) Explain python naming conventions.
- b) What is dynamic type in python?
- c) What is environment variable? What are Quantifiers?