

COMPUTER PROGRAMMING USING PYTHON**Time : 2:30 Hours]****[Maximum Marks : 50****NOTES:**

- 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) Answer any two of the following :**[2×5=10]**

- a) Explain standard datatypes in python.
- b) What are python strings?
- c) Write the features of lists in python.

Q2) Answer any two of the following :**[2×5=10]**

- a) What are keywords in python?
- b) Explain the use of `dir()` function.
- c) Discuss string slicing with example.

Q3) Answer any two of the following :**[2×5=10]**

- a) Explain function arguments in python.
- b) Differentiate between lists and tuples.
- c) Explain what is dictionary and how it is created in python.

Q4) Answer any two of the following :**[2×5=10]**

- a) Write a short note on `assert`.
- b) Explain how read and write method works on a file.
- c) Differentiate between `break` and `continue`.

Q5) Answer any two of the following :**[2×5=10]**

- a) Explain exception with the help of example.
- b) What are methods in python? Explain.
- c) What is class in python? How is it created?