PON VIDYASHRAM GROUP OF SENIOR SECONDARY SCHOOLS

CLASS – VI COMPUTER SCIENCE NOTES SEPTEMBER

Chapter – 5 Introduction to python

A. Tick the right option:

1. Which of the following is used to quit the interactive mode?

(c) Both (a) and (b)

3. Which of the following is the Python prompt?

(c) >>>

B. Fill in the blanks:

1. An **interpretor** is needed to convert the high level language code into machine code in Python.

3. A **prompt** indicates to start typing the code in Python.

C. Write 'T' for True and 'F' for False:

1. Python is a machine level language. **F**

2. Python is a paid Language. **F**

D. Define the following:

2. Script mode

To write long Python codes or programs having multiple lines, it is appropriate to use the Script mode. In this mode we can save and edit the file.

3. Interactive mode

Interactive mode is very convenient for writing very short lines of code. In the interactive mode when we type a command and press enter, we get the output.

E. Short answer questions:

1. Define Python.

Python is a high level programming language. It has syntax which makes it easy to read and write. It was developed by **Guido Van Rossom.**

2. Write any two features of Python?

The features of Python language are:

1. Python can perform complex tasks using less code.

2. Python is an interpreted language, which executes on line at a time.

3. Write any two application areas where Python is used.

Python is used in industry and scientific field.

- ➢ Data Science
- ➢ Machine Learning

4. Which command is used to exit the interactive mode in Python?

The quit() and exit() commands are used to exit the interactive mode in Python.

F. Long answer questions:

3. Write the steps to open a Python program.

Steps to downloading and installing a Python program.

Step1: Open the Google Chrome browser.

Step2: Type **https://www.python.org/downloads/** and click on the link **Download python-3.10.7** to download Python.

Step3: After downloaded, click the **Install Now** option.

Step4: After Installation click the **Close** button.

Steps to open Python.

Step1: Click on **Start** button.

Step2: Scroll and click on Python 3.10

Step3: Click on **Python 3.10 (64-bit).**