**29th Jan Assignment**

**1) Who developed python programming language**?

A) Python programming language developed by Guido van Rossum and first released in 1991.

**2) Which programming type of programming python support?**

A) Python supports following type of programming

* Object-oriented programming
* Structure programming
* Functional programming

**3) Is python case sensitive when dealing with identifies?**

A) Yes, it is.

**4) What is the correct extension of the python file?**

A) Python file must end with “.py” extension.

Example - Hello.py

**5) Is python code compiled or interpreted?**

A) Python code is both compiled and interpreted

**6) Name a few blocks of code used to define in python**

**A)** a = 10

Print (“The value of a defined as :”, a)

Output:

The value of a defined as : 10

**7) State a character used to give single line comments**

A) # is the character to be used for single line comments

Example - # This is comments line

**8) Mention functions which can help us to find the version of python that we are currently working on?**

A) sys.version

**9) Python supports the creation of anonymous functions at runtime, using a construct called**

A) “Lamda” function is anonymous function in python

**10) What does pip stands for python?**

A) Preferred Installer Program

**11) Mention a few built-in functions in python?**

A) Print(), type(), id()

**12) What is the maximum possible length of an identifier in python**

A) Identifier cab be of any length in python

**13) What are the benefits of using python?**

A)

1. Python is open source
2. Easy to learn
3. Many libraries are available
4. Ca be used for data science

14) How is memory management in python?

A) Memory management in Python involves a private heap containing all Python objects and data structures. The management of this private heap is ensured internally by the *Python memory manager*

**15) How to install python on windows and set path variables?**

A)

1. Right-clicking *This PC* and going to *Properties*.
2. Clicking on the *Advanced system settings* in the menu on the left.
3. Clicking on the *Environment Variables* button o​n the bottom right.
4. In the *System variables* section, selecting the *Path* variable and clicking on *Edit*. The next screen will show all the directories that are currently a part of the PATH variable.
5. Clicking on *New* and entering Python’s install directory.

**16) Is indentation require in python?**

A) Yes it is required.