**Python 29th Jan Assignment**

1. Python is developed by Guido Van Rossum
2. Python Supports Object oriented programming (OOPS) and Structured Programming
3. Python is case sensitive in dealing with identifiers.
4. .py is the extension of python file
5. Python is an interpreted programming language. It means that code will executed line by line and are memory efficient as no object code is generated.
6. Import statements, identifiers, loops, functions, classes, objects are used to define in python language.
7. # is used for single line command.
8. sys.version, python\_version(), python -V are used to check python versions.
9. Lambda
10. Pip stands for preferred installer program
11. Int(), input(), type(), float(), input(), id(), len(), range(), bool() are few inbuilt functions in python.
12. 79 is the maximum length of identifiers in python. Though python supports unlimited length, the pep-8 layout restricts the length upto 79.
13. Python is simple and easy to understand. It supports OOPS. It supports around 137000 libraries and has large open source community. It can be used for scripting, web development, AI ML applications as well.
14. In python, memory allocation and deallocation is done by a process of garbage collector. When no reference is pointing to an object in a memory, the garbage collector automatically deletes the object from the heap memory.
15. Go to python official website and download python and install it. Add the path of the python installed into the system environment path.
16. Yes, indentation is required in python.