**Module: 1**

Que-1] What is Python?

• Ans: Python is computer programming language often used to build websites and software, automate tasks, and conduct data analysis.

• Python is General purpose high level programming language it meaning it can be used to create a variety of different programs and isn’t specialized for any specific problems.

Que-2] What is Software?

• Software is a collection of computer programs and related data that provide the instructions for telling a computer what to do and how to do it.

• Software is set of instructions, data, or programs used to operate a computer and execute specific tasks.

Que-3] Types of Software?

• There are three types of software:

1] **System software**: These software programs are designed to run a computer’s application programs and hardware. system software coordinates the activities and functions of the hardware and software.

Example- windows, Linux, mac, etc.

2] **Application software**: The most common type of software, application software is a computer software package that performs specific function for a user, or in some cases, for another application.

3] **Programming software**: programmers use programming software to write code. Programming software and programming tools enable developers to develop, write, test and debug other software programs.

Example- compilers, debuggers, interpreters.

Que-4] Who Developed Computer?

• English mathematician and inventor Charles Babbage is credited with having conceived the first automatic digital computer.

• During the mid-1830s Babbage developed plans for the Analytical Engine.

Que-5] What is meaning of programming language?

• A language which is used to write a program.

• A programming language is any set of rules that converts strings, or graphical program elements in the case of visual programming languages, to various kinds of machine code output.

• Example- C, C++, Python, Java.