Assignment No. 01

Q. 29) The fundamental goal of computer systems is to execute _____ and to make solving user problem easier.

☐ System programs
☑ User programs
☐ Application programs

→ Ans : User programs

•1) Operating systems exist because they offer a reasonable way to solve the problem of creating a usable operating system.
ii) The fundamental goal of computer systems is to execute user programs and to make solving user problem easier.
iii) Computer hardware is constructed towards this goal.

Q. 30) When a computer system is powered up or rebooted - it needs to have an _____ program to run.

☐ System program
☐ Application program
☐ Operating system
☑ bootstrap program.

→ Ans : bootstrap program

i) For a computer to start running, i.e. when it is powered up or rebooted, it needs to have an initial program to run.
ii) This initial program is also known as bootstrap program.
iii) It is stored in computer's Read-only memory (ROM) or the Electrically Erasable Programable read-only memory (EEPROM).
iv) It initializes all ~~concepts~~ ~~of~~ ~~the~~ aspects of the system, from CPU registers to device controllers to memory contents.
v) The bootstrap program must know how to load the operating system and how to start executing the system.