

# Operating Systems

## Phase-II Study Notes for NABARD Gr. A IT Officer Exam

### What is an Operating System?

- An operating system is the most important software that runs on a computer.
- An Operating System (OS) is software that acts as an interface between computer hardware components and the user.
- It manages the computer's memory and processes, as well as all of its software and hardware.
- It also allows you to communicate with the computer without knowing how to speak the computer's language.
- Every computer system must have at least one operating system to run other programs.
- Applications like Browsers, MS Office, Notepad Games, etc., need some environment to run and perform their tasks.
- The OS helps you to communicate with the computer without knowing how to speak the computer's language.
- It is not possible for the user to use any computer or mobile device without having an operating system.
- Without an operating system, a computer is useless.

### Types of Operating Systems

- Operating systems usually come pre-loaded on any computer you buy. Most people use the operating system that comes with their computer, but it's possible to upgrade or even change operating systems.
- The three most common operating systems for personal computers are Microsoft Windows, macOS, and Linux.
- Modern operating systems use a graphical user interface, or GUI (pronounced gooey).