

# Generated Question Paper

- 1 .What is an operating system and what is its primary function?
- 2 .Name and briefly explain the two main types of operating systems.
- 3 .How does an operating system manage the computer's hardware and software resources?
- 4 .What are some common examples of operating systems used in personal computers, smartphones, and servers?
- 5 .Describe the role of the kernel in an operating system and how it interacts with the hardware and software components.

## 2. Answer:

The two main types of operating systems are:

1. **\*\*Single-user operating system:\*\*** In a single-user operating system, only one user can work on the system at a time. This type of operating system is commonly used in personal computers where only one user interacts with the system at any given time.
2. **\*\*Multi-user operating system:\*\*** A multi-user operating system allows multiple users to work on the system simultaneously. These operating systems are often found in servers or mainframe computers where multiple users need to access resources and applications concurrently. Examples include Unix, Linux, and Windows Server.