

Important Questions and Answers

Q1. What is an Operating System?

An operating system is software that manages computer hardware and software resources.

Q2. Give examples of operating systems.

Examples include Microsoft Windows and Linux.

Q3. What are the main functions of an operating system?

Process management, memory management, and file management.

Q4. What is process management?

Managing the execution of programs in a computer.

Q5. What is memory management?

Managing the computer's memory resources.

Q6. What is a file system?

A system used to store and organize files.

Q7. What is multitasking?

Running multiple programs at the same time.

Q8. What is a kernel?

The core part of an operating system.

Q9. What is device management?

Managing hardware devices connected to a computer.

Q10. What is user interface?

The way users interact with the computer.

Q11. What is command line interface?

A text-based interface for interacting with the system.

Q12. What is graphical user interface?

An interface using icons and windows.

Q13. What is a real-time operating system?

An OS designed for real-time applications.

Q14. Where are operating systems used?

Computers, smartphones, and servers.

Q15. Why is an operating system important?

It enables communication between hardware and software.

