

Section A: Multiple Choice Questions (MCQs)

Choose the correct option:

1. What is software?
a) Physical parts of a computer b) Programs and instructions for computers
c) Devices connected to computers d) None of these
2. Which of the following is **system software**?
a) Google Chrome b) Microsoft Word c) Microsoft Windows d) Minecraft
3. Which program is an example of **application software**?
a) Device Driver b) VLC Media Player c) Disk Cleanup Tool d) Antivirus Software
4. What type of software manages hardware resources and provides a platform for applications?
a) Application software b) Device drivers c) System software d) Game software
5. Which operating system is **open-source**?
a) Windows b) Linux c) macOS d) iOS
6. What does a **Graphical User Interface (GUI)** use to interact with users?
a) Text commands b) Visual elements like icons and windows
c) Keyboard shortcuts only d) Printed manuals
7. Which utility program helps in deleting temporary files to free up disk space?
a) Antivirus b) Backup software c) Disk Cleanup d) File Compression Tool
8. Which of the following operating systems is used mainly on **smartphones**?
a) Windows b) Linux c) Android d) DOS
9. Which tool reduces file size for easier storage and transfer?
a) Disk Cleanup b) File Compression Tool c) Backup Software d) Device Driver
10. The first computer virus was called:
a) Blaster b) Creeper c) ILOVEYOU d) WannaCry

Section B: Short Answer Questions

1. Define **system software** with an example.
2. What is the main purpose of an **operating system**?
3. Differentiate between **GUI** and **CLI** with one example each.
4. What is the function of **antivirus software**?
5. Give one real-life example where **Disk Cleanup** can be useful.
6. Why is it important to regularly update your **operating system**?

Section C: Long Answer Question

Q. Explain in detail the major functions of an operating system. Describe each function with suitable real-life examples.