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**Grade 8****Chapter 1**  
**Operating System****Section A (Objective)****A. Tick the correct answer**

1. The interface between user and computer is called  
Answer: b. Operating system
2. \_\_\_\_\_ helps to run the other software on the computer.  
Answer: a. Operating system
3. CUI is also known as  
Answer: a. CLI
4. \_\_\_\_\_ is used to manage all the resources of the computer.  
Answer: a. Operating system
5. \_\_\_\_\_ provides icons, menus and mouse to give instructions.  
Answer: b. GUI
6. Which of the following is not an operating system?  
Answer: d. None of these

**B. Fill in the blanks**

1. MS-DOS is an example of \_\_\_\_\_ interface.  
Answer: CUI
2. \_\_\_\_\_ works as a manager for the computer.  
Answer: Operating system
3. CUI uses \_\_\_\_\_ to type instructions.  
Answer: characters
4. Windows is an example of \_\_\_\_\_ interface.  
Answer: GUI
5. Tally software is an example of \_\_\_\_\_.  
Answer: application software

**C. Write True or False**

1. A computer system consists of hardware and software.  
Answer: True

2. OS stands for Open System.

Answer: False

3. CUI stands for Character User Interface.

Answer: True

4. System software has three categories OS, BIOS and Utility Software.

Answer: True

5. GUI is a more user-friendly interface.

Answer: True

#### **D. Match the following**

1. Graphical User Interface

Answer: c. It uses menus, icons, and mouse click to give instructions.

2. Operating system

Answer: d. An interface between user and computer.

3. Application Software

Answer: e. It is developed for a specific purpose.

4. Character User Interface

Answer: a. The command needs to be typed in this interface.

5. User Interface

Answer: b. It provides a set of commands, menus and icons to interact.

### **Section B (Subjective)**

#### **A. Short Answers**

1. Define an Operating System.

Answer: An operating system is system software that manages computer hardware, software resources, and provides services for computer programs.

2. Name any two categories of software.

Answer: - System software

- Application software

3. Give any two examples of character user interfaces.

Answer: - MS-DOS

- UNIX

4. Write the names of any two GUI operating systems.

Answer: - Windows

- macOS

## **B. Long Answers**

1. What is the difference between CUI and GUI interfaces?

Answer: CUI (Character User Interface): The user interacts using text commands.

GUI (Graphical User Interface): The user interacts using icons, menus, and a mouse.

GUI is easier and more user-friendly than CUI.

2. Explain any two functions of an operating system.

Answer: - Resource Management: Manages CPU, memory, and other hardware.

- File Management: Organizes, stores, and retrieves files on storage devices.

3. Which interface of operating system you prefer as user and why?

Answer: I prefer GUI because it is easier to use, visually intuitive, and requires no memorization of commands.

4. Explain the following types of operating systems:

a. Single User

b. Multi-user

Answer: a. Single User: An operating system that allows only one user to work on the computer at a time. (Example: Windows 10)

b. Multi-user: An operating system that allows multiple users to access a computer system at the same time. (Example: UNIX)