Week \_\_\_\_\_\_\_\_\_\_\_ Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **1. Describe three reasons why an operating system is important to be installed on a computer.**   1. It manages all the available hardware resources on a computer   2. It acts as an interface between a user and the computer hardware   1. It sends the output from applications to the display screen |
| **2. What is meant by the ‘resources’ of a computing system?**  Any physical device (CPU, memory, HDD) supplied with the computer. They are used when performing different tasks (work jobs). |
| **3. Give 3 examples of operating systems that were developed in time.**  **Describe how there were different.**  OS/360 – no GUI, multiprogramming, spooling, timesharing  UNIX- no GUI, Multiuser, Multitasking, Multichoice capabilities  Windows 95, 98, 2000 – GUI, multiuser, multitasking. The most performant one |
| **4. What is an operating system?**  Software program that manages all the available hardware resources on a computer.  It also controls the programs and users running at the same time on the computer not to interfere with each other.  It provides a platform on top of which we can run application software. |
| **5. If an operating systems works on 64-bit format, what would be the maximum memory size it can work with?**  64 wires are used to access the main memory. 2 power 64 is the maximum locations in the memory that can be accessed.  This means 18446744073709551616 bytes = 18 \* 10 power 16 Bytes |