Quiz 4 February 15, 2018 Name\_\_\_\_\_\_Solution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which of the following (A-D) is false about an operating system?
   1. An operating system is a type of system software.
   2. Microsoft Windows is a type of operating system.
   3. Unix is a type of operating system that allows multiple users at the same time.
   4. An operating system can be compared to the central nervous system of a human.
   5. **All the above is true.**
2. Which of the following is false (A-C) about an operating system?
   1. An operating system provides an interface through which the user interacts with the computer.
   2. An operating system manages the computer hardware and software.
   3. An operating system is ‘aware’ of every keyboard stroke, mouse move, and whenever a user touches a ‘touch screen.’.
   4. **All the above is true.**
3. Which of the following (A-D) is false related to firmware?
   1. Firmware is a combination of hardware and software.
   2. A television remote control is an example of firmware.
   3. A traffic light or a digital alarm clock with snooze, weekday and weekend alarm settings has firmware.
   4. ROM (Read only memory is an example of firmware.)
   5. **All the above is true.**
4. Which of the following (A-D) is false?
   1. ROM is read only memory and is a type of firmware.
   2. ROM holds the location from which the operating system can be loaded during the boot process of a computer.
   3. **RAM and a hard drive are both examples of storage.**
   4. Installing more RAM is likely to improve the performance of a computer.
   5. All the above is true.
5. Which of the following is an example of secondary storage?
   1. ROM
   2. RAM
   3. **A 3 TB external hard drive**
   4. None of the above are secondary storage devices.
6. Which of the following is true about RAM
   1. It is a type of hardware.
   2. It holds all the information about programs currently running.
   3. It holds all the data currently being used by running programs.
   4. The contents of it are emptied when the computer is turned off.
   5. **All the above is true.**
7. Which of the following is likely to improve the performance of a slow running computer?
   1. Running defragmentation software.
   2. Installing more RAM.
   3. Installing more ROM
   4. **A and B only**
   5. A and C only
   6. A, B and C
8. Caching is most closely related to the hardware concept of
   1. ROM
   2. **RAM**
   3. A hard drive
   4. All the above
9. Which of the following is true about Excel Goal Seeking
   1. It is used to find the input to achieve a output.
   2. It is used to find the output given a input.
   3. It depends on a cell with a formula.
   4. **A and C only**
   5. B and C only
   6. A, B and C
10. Assume that cells C2 to C10 have quiz scores. Write a formula to find the highest/maximum quiz score in 3 different ways.
11. Small(C2:C10,9)
12. Large(C2:C10,1)
13. Max(C2:C10)