COMPUTER PROBLEM SOLVING

1) Some pieces of equipment require tasks to be completed at exact moments in time.
   Operating systems such as Windows and macOS complete tasks as resources are
   made available. An operating system for use on the first example goes by what name?
   A) live operating system
   B) programmed operating system
   C) real-time operating system
   D) precision operating system

2) Which of the following manages memory access for an operating system?
   A) kernel
   B) driver
   C) module
   D) VHDL

3) Operating systems can offer ways to encrypt the hard drive data for the sake of data
   security. macOS calls this feature File Vault. What does Windows call this feature?
   A) Gate Keeper
   B) Matrix Determinant
   C) BitLocker
   D) Defragmentation Tool

4) _____ uses Port 25 to send emails.
   A) SMPT
   B) IMAP
   C) POP3
   D) ADC

5) Network connecting devices include _____, hubs, and _____.
   A) repeaters, connectors
   B) switches, repeaters
   C) connectors, switches
   D) switches, fuses

6) What is the standard mouse for a Macintosh?
   A) scroll-wheel
   B) three-button
   C) one-button
   D) two-button

7) The two basic types of RAM are _____ and _____.
   A) dynamic, floating
   B) dynamic, modular
   C) static, floating
   D) static, dynamic

8) A _____ is when, as part of a cyber-security attack, the attacker disrupts service to the network.
   A) vishing attack
   B) honey trap
   C) denial-of-service attack
   D) watering hole attack

9) Phishing comes in many forms, but **not** in _____.
   A) telephone calls
   B) whaling and pharming
   C) trojan horses
   D) spam and spim

10) On a laptop, this almost always takes the place of a mouse.
    A) Trackball
    B) Keyboard
    C) Cursor arrows
    D) Touch pad

11) Mobile form factors include smart phone, tablet, and _____.
    A) tower
    B) server
    C) desktop
    D) laptop

12) Printers can come in any of the following formats, **except** _____.
    A) drum printer
    B) dot matrix
    C) chain mail printer
    D) inkjet

13) Laser printers contain an ink-like substance, called ___, which can be fused on paper to create text and graphics.
A) paint
B) graphite
C) toner
D) charcoal

14) The best way to keep the inside of your computer clean is to power down and unplug it, _____.
A) but don't open the computer at all
B) open the cover, and vacuum it out
C) open the cover, and shake out the dirt
D) open the cover, and hand brush the dirt out

15) A _____ is used to protect the computer from sudden spikes in voltages.
A) UPS
B) static mat
C) battery pack
D) surge protector

1) C
2) A
3) C
4) A
5) B
6) C
7) D
8) C
9) C
10) D
11) D
12) C
13) C
14) D
15) D