Name: _____ Date: _____

Lab 20   Due Thursday

1.) True or False – The operating system (OS) is the first thing loaded onto a computer.

2.) True or False – With out an operating system, a computer is useless.

3.) True or False – Every Macintosh Computer you buy comes pre-loaded with Windows XP

4.) True or False – Most Corporate Servers use the OSX Operating System

5.) The Computer in a typical modern day cell phone is more powerful than a computer from _____ years ago.

6.) Operating systems are made with _____ _____.

7.) This lets you _____ your computer when you need to make a change rather than just junking it and starting with a new one.

8.) What is the purpose of an Operating System?

9.) True or False – All computers have operating systems.

10.) List three things Operating systems create the ability to do.

1.)

2.)

3.)

11.) Explain the 2 main tasks of an Operating System.

    1.)

    2.)

12.) List the 4 types of operating systems and explain each one.

    1.)

    2.)

    3.)

    4.)

13.) In a Multi-User Operating System, The _____
                      _____ is the only "user"

14.) The Network Support and all the remote user logins are
                _____ being run by the Administrative User.

15.) The First set of Instructions your computer receives after
        being powered on are stored in the computers _____.

16.) This Initial Test is called the _____.

17.) The first piece of the operating system is called the
        _____   _____.

18.) Define Bootstrap Loader.

19.) List the six Categories of operating system tasks

    1.)

    2.)

    3.)

    4.)

    5.)

    6.)

20.) The basic unit of software the Operating Systems deal with is called either a _____ or a _____.

21.) Define Process.

22.) The Operating System controls and schedules _____, rather than applications, for execution by the CPU.

23.) What is an Interrupt?

24.) Explain the difference between masked and non-masked Interrupts.

    Masked-

    Non-Masked-

25.) When Switching, all the info needed to keep track of a process is kept in a data package called a _____ _____   _____.

26.) Define <u>thrashing</u>.

27.) Define <u>thread</u>.

28.) Explain the difference between symmetric and asymmetric operating systems.

29.) Explain virtual memory management.

30.) <u>Define High-Speed Cache</u>.

31.) What is the difference between <u>main memory</u> and <u>secondary memory</u>?

<u>Main Memory</u>-

<u>Secondary Memory</u>-

32.)   Special Storage facilities that take a stream of bits from a device are called _____ and _____.

33.)   What are API's?

34.)   The Operating System Sends a _____ to the disk drive to get the location of the first available free storage Location.

35.)   Explain the difference between a user interface and a graphical user interface.

36.)   Explain what a <u>shell</u> is.

37.)   Define <u>Open Source</u>.

38.)   Explain what an <u>executable</u> is.

39.)   What is the Linux Logo?

40.)   What are 2 devices that use "hidden access" so users cannot inadvertently harm the devices.