Summary Questions 1

Viruses

Reference: Computer Viruses, Course Notes
Computer Viruses : Myth –vs- Reality by Bill Machrone
Secondary Storage
MSDOS p2

All answers must be in sentence form.

1. What is a virus
2. Why are viruses potentially dangerous
3. Give two examples of names of viruses
4. What is Bill Machrone's concern about the 'virus' threat! (write at least 2 paragraphs)
5. What is the difference between macro and file-based viruses
6. What is a hoax virus and how is it propagated (spread).

Electrical Power Issues

Reference: Unlimited Power, PC Magazine Online
Frequently Asked Questions: ESP

All answers must be in sentence form.

1. What is a power spike or transient, and give an example of how it can be caused
2. What is a power surge
3. What is a power sag
4. What is a power brown-out
5. What is a blackout
6. What is the difference between a line-interactive and an online UPS
7. What is the formula recommended for calculating power requirements for a UPS, taking into account the power factor (PF).
8. What is the Amp rating for the monitor you use, and what is the Volt Ampere requirements using the above formula.

The Enlightened Computer History

Reference: Grace Hopper Conference Banquet Speech
Ada Byron, Lady Lovelace
Rear Admiral Grace Murray Hopper
The Categories of Computers

All answers must be in sentence form.

The computer industry is full of stories of the conquest by men of the technology frontiers leading into the space age, information technology age. But where are the women ? In the four readings listed above we are given a broader perspective of the history of computing with stories of a number of amazing women and their critical contributions to the computer industry of today.

You are expected to provide explanations for your answers.

1. Who was Grace Hopper and what was the name of the computer at Harvard University where she was the first programmer. From the notes on "*The Categories of Computers*", what is the significance of this computer.
2. On that computer, what was the 'smart trick' Grace Hopper played on her male superiors that saved the day?
3. What discovery did Grace Hopper make, and on what machine, that now defines a term for computer errors.
4. What computer language is attributed to the efforts of Grace Hopper, and what was the significance of this computer language.

5. What phrase, beginning with "It's always ...", describes a philosophy of Grace Hopper and what is its implication for students today?
6. Describe two important contributions to computing attributed to Jean Bartik
7. Who set up the first computer facility in a medical school, and what other accomplishments is attributed to her?
8. Which woman held a very high post at Harvard University and name three major things she has done that were considered 'firsts' at the time.
9. Which woman was among the first to develop a computer curriculum, and for what school? What awards has she recieved in recognition of her contribution to computer science.
10. What is the SEAC famous for, and who was one of the first programmers? Which program did she use to demonstrate the value (utility) of the SEAC for solving real-world problems.
11. Write at least two paragraphs on who Ada Lovelace was, the attitude towards women during her time and her contribution to computers.

Computer Overview

The Keyboard

Draw a computer keyboard and note where the following key areas are:-

- ❑ Alpha-numeric keys
- ❑ Modifier keys
- ❑ Function Keys
- ❑ Numeric Keypad
- ❑ Cursor control keys
- ❑ Editing Keys

The Mouse

Draw a mouse diagram that indicates the rollers used by the mouse to indicate x-y movement.

Describe what the following terms mean.

- ❑ Click
- ❑ Double Click
- ❑ Left Click
- ❑ Right Click
- ❑ Click and Drag