



Q.1. Give short answer to the following questions. (15x2=30)

1. What is difference between System Software and Application Software?
2. What is meant by Expansion Slots?
3. Differentiate between Bandwidth and Throughput?
4. What are Registers? Which register is used to hold address of Next Executable Instruction?
5. What is Pipelining?
6. What is purpose of VeriChip?
7. What is Radio Frequency Identification (RFID) Readers?
8. What are Multimedia elements?
9. What is difference between HTML and XHTML?
10. How you will differentiate between Half Duplex and Full Duplex Transmission?
11. Name two commands used to create a file in Linux Terminal.
12. List the problems faced by humanity which could be solved using Information Technology.
13. Convert 1001110 in base 2 into a decimal number?
14. What is a Hot-swappable device?
15. What is the difference between a Bridge and Repeater?

Q.2. Answer the following questions. (3x10=30)

1. List several types of networking hardware and explain the purpose of each.
2. Answer the following questions. [5 +5]
 - a. Identify the major parts of a personal computer and enlist their features and examples.
 - b. Explain the structure of Magnetic Hard Disks in terms of sectors, tracks, clusters, and cylinders.
3. Describe device and connection options for connecting to the Internet, as well as some considerations to keep in mind when selecting an ISP.