

Introduction to Computers

Sample Test Questions

1. In a hard disk there are 5 platters. Each surface has 4000 tracks and each track is divided into 40 sectors. If the sector capacity is 2 KB, find the following?
 - a. What is the capacity of a track ?
 - b. What is the capacity of a surface?
 - c. What are the total capacity of the total hard disk?
 - d. What is the capacity of a Cylinder?
2. Explain the following terms
 - a. Dual-core Processors Architecture and Core-2-Duo Processors Architecture
 - b. Application Software and System software
 - c. Data storing mechanism in system in a CD
 - d. Internet and Internet Service Provider (ISP)
3.
 - a) What is a Network ?
 - b) Mention the Advantages and Disadvantages of Network ?
 - c) Describe www and Internet ?
4.
 - a) Describe briefly the function of each of the following registers:
 - i. Instruction Register (IR)
 - ii. Program Counter(PC)
 - b) Describe the sequence of events carried out during the machine cycle when executing the following instructions.

Address	Contents	Comments
800	LDA 1000	Load the value stored in memory location 1000 to Accumulator
801	MPY 1001	Add the value stored in 1001 with the value in Accumulator and store the result back in Accumulator
802	STO 1002	Store the content in Accumulator in Memory location 1002
803	JMP 2000	Change the PC Value to 2000
1000	2	
1001	3	

5. Explain the four difference between the computer and a trypical machine?

6. Explain three advantages of Scoial networks in brief