Before answering the question paper the candidate should ensure that they have been supplied the correct question paper. Complaints in this regard, if any, shall not be entertained after the examination.

Ques. No. 1 is Compulsory and attempt two questions from each section. All questions carry equal marks.

1(a) Explain the characteristics of computer.  
(b) What is disk sector and track?  
(c) What is dialog box.  
(d) What is LAN.  

SEQUENCE - A

2. How many hardware use by the computer system, explain with their functionality?  

3(a) Convert \((10001)_2\) to decimal \(2\)  
(b) Consider the following binary number perform addition. \(110010110\) and \(100011101\) \(4\)  
(c) Consider the following binary number perform multiplication. \(10000111\) and \(1001\) \(4\)  
(d) Consider the following binary number perform division. \(1001010101\) and \(110\) \(4\)  
(e) Convert the decimal number 7120 into binary, octal, hexadecimal. \(6\)  

4(a) What are the main differences between DRAM and SRAM?  
(b) What are the difference between interpreter and compiler?  

SEQUENCE - B

5(a) What is volume and label?  
(b) What is Booting? Explain Booting sequence.  

6. What is GUI? What are the various features of GUI?  

7. How many Topology is commonly used in network? Explain all with diagram.  

(5*4=20)