Ques1. Write a short note on the following:
   a) Compiler vs interpreter
   b) LAN vs MAN
   c) Difference between structure and union
   d) Binary conversion of 229

SECTION-A

Ques2. What do you understand by topology? Discuss all the different geographical arrangements of a network. Also discuss which arrangement is best and why.

Ques3. a) Define operating system. How an operating system is so important for a computer?
    b) In what context low level languages are different from high level language? Explain features of these languages.

Ques4. a) Define computer. What are different functional unit of a typical computer system?
    b) What are the different types of memory present in a computer system? Explain

SECTION-B

Ques1. a) What are the different looping statements in C. Explain?
    b) Write a program in C to check whether a number is prime or not.

Ques2. a) Define string. Write a program in C to check whether a string is Palindrome or not.
    b) Define array. Write a program in C to find the transpose of a matrix.

Ques3. a) Define structure. How individual elements of a structure are accessed?
    b) Write a short note on nested structure. How size of a structure can be calculated.