NUMBER SYSTEM

A. Tick (✓) the correct option.

1. In binary addition, 1 + 1 = ...

   a. 0 ☐   b. 10 ☐   c. 1 ☐   d. 11 ☐

2. Which of the following is a valid octal number?

   a. 183 ☐   b. 965 ☐   c. 983 ☐   d. 345 ☐

3. In binary number system, 1 Nibble is equal to ....

   a. 4 bits ☐   b. 8 bits ☐   c. 16 bits ☐   d. 1 bit ☐

4. The digital computer represents all kinds of data and information in .... numbers.

   a. binary ☐   b. decimal ☐

   c. hexadecimal ☐   d. None of these ☐

B. Write 'T' for true and 'F' for false.

1. A number system is simply a manner of counting.   ....

2. The base of decimal number system is 10.   ....

3. The word binary comes from 'Bi-' meaning two.   ....

4. The hexadecimal number system consists of 16 digits.   ....

C. Answer the following questions:

1. What is Number system?

   ....

2. Define Radix.

   ....

3. Convert the decimal number 44 into binary number.

   ....