

Name: \_\_\_\_\_

Roll No: \_\_\_\_\_

Class: \_\_\_\_\_ Section: \_\_\_\_\_ Date: \_\_\_\_\_

## NUMBER SYSTEM

### A. Define the following:

1. Number system- .....
2. Radix- .....
3. Binary addition- .....

### B. Tick (✓) the correct option.

1. Base 2 is another name for the .....  
a. Binary number system       b. Decimal number system   
c. Hexadecimal number system       d. None of these
2. In binary addition,  $1 + 1 =$  .....  
a. 0       b. 10       c. 1       d. 11
3. Which of the following is a valid octal number?  
a. 183       b. 965       c. 983       d. 345
4. In binary number system, 1 Nibble is equals to .....  
a. 4 bits       b. 8 bits       c. 16 bits       d. 1 bit
5. The digital computer represents all kinds of data and information in ..... numbers.  
a. binary       b. decimal   
c. hexadecimal       d. None of these

### C. Convert the decimal number 44 into binary number.

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