Name: ....

Roll No: ....

Class: .... Section: ....

Date: ....

NUMBER SYSTEM

A. Match the following.

1. Binary number system
2. Octal number system
3. Decimal number system
4. Hexadecimal number system

a. base 16
b. base 2
c. base 8
d. base 10

B. Circle the correct option.

1. The digital computer represents all kinds of data and information in (binary / decimal) numbers.

2. The (binary / decimal) number system consists of ten digits from 0 to 9.

3. (Decimal / Octal) number system is used as a shorthand representation of long binary numbers.

4. The (hexadecimal / octal) number system consists of 16 digits from 0 to 9 and A to F.

5. The positional value of each digit in octal number is (twice / thrice) the place value.

C. Write the full form of the following:

1. MSD – ....

2. LSD – ....

D. Extract the binary number from the following example and write below:

```
2 | 64
2 | 32 – 0
2 | 16 – 0
2 |  8 – 0
2 |  4 – 0
2 |  2 – 0
  |  1 – 0
```

Binary number is: ....

Grade: ☆ ☆ ☆ ☆ ☆

Teacher's Signature: ....