

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NUMBER SYSTEM

A. Match the following:

- | | |
|------------------------------|------------|
| 1. Binary number system | a. base 16 |
| 2. Octal number system | b. base 2 |
| 3. Decimal number system | c. base 8 |
| 4. Hexadecimal number system | d. base 10 |

B. Circle the correct option.

- The digital computer represents all kinds of data and information in (binary / octal) numbers.
- The (binary / decimal) number system consists of ten digits from 0 to 9.
- (Decimal / Octal) number system is used as a shorthand representation of long binary numbers.
- The (hexadecimal / octal) number system consists of 16 digits from 0 to 9 and A to F.
- The positional value of each digit in binary number is (twice / thrice) the place value or face value.

C. Write the full forms of the following:

- MSD –
- 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 – 1

Binary number: