

Name: .....

Roll No: .....

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

Date: .....

## NUMBER SYSTEM

Chapter-1

### 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 15.
- The positional value of each digit in octal number is (twice / thrice) the place 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 – 0
2	32 – 0
2	16 – 0
2	8 – 0
2	4 – 0
2	2 – 0
	1 – 0

Binary number is: .....