

## Worksheet

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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 9 and A to F.
- There are (four/five) types of number systems.

#### C. Write the full forms of the following:

- MSD – .....
- LSD – .....

#### D. Extract the binary number from the given 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: .....