

Name:

Roll No:

Class: Section:

Date:

WORKSHEET

1

NUMBER SYSTEM

Chapter-1

A. Match the following.

Column A

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

Column B

- (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/octal 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 15.
5. The positional value of each digit in octal number is twice/thrice the place value.

C. Write the full forms 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: