

Name: .....

Roll No: .....

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

Date: .....

**WORKSHEET**

**2**

**NUMBER SYSTEM**

**Chapter-1**

**A. Explain the following:**

- 1. Number system- .....
- 2. Radix- .....
- 3. Binary addition- .....

**B. Tick (✓) the correct option.**

- 1. Base 2 is another name for the .....
  - a. Binary number system
  - b. Decimal number system
  - c. Hexadecimal number system
  - d. None of these
- 2. In binary addition,  $1 + 1 = \dots\dots\dots$ 
  - a. 0
  - b. 10
  - c. 1
  - d. 11
- 3. Which of the following is a valid octal number?
  - a. 183
  - b. 965
  - c. 983
  - d. 345
- 4. In binary number system, 1 Nibble is equals to .....
  - a. 4 bits
  - b. 8 bits
  - c. 16 bits
  - d. 1 bit
- 5. The digital computer represents all kinds of data and information in ..... numbers.
  - a. binary
  - b. hexadecimal
  - c. decimal
  - d. None of these

**C. Convert the decimal number 44 into binary number.**

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