Chapter 1

WORKSHEET

I. Tick (✓) the correct option.

1. The concept of 0 was introduced by:

   (a) Aryabhat ☐   (b) Bill Gates ☐

   (c) Ada Lovelace ☐   (d) None of these ☐

2. The base of the decimal number system is _____.

   (a) 10 ☐   (b) 8 ☐

   (c) 2 ☐   (d) 16 ☐

3. The computer only understands _____ code.

   (a) Binary ☐   (b) Decimal ☐

   (c) Octal ☐   (d) English ☐

4. There are _____ digits in binary number system.

   (a) 0 ☐   (b) 1 ☐

   (c) 2 ☐   (d) 3 ☐

5. 1 + 1 in the binary system is equal to:

   (a) 01 ☐   (b) 11 ☐

   (c) 10 ☐   (d) 00 ☐

II. Fill In the blanks.

1. The _____ number system has 8 as its base.

2. _____ is the base of the binary number system.

3. There are _____ digits in the octal number system.

4. 1 + 1 + 1 = _____ in the binary number system.

5. The computer understands the _____ number system.

III. State whether the following statements are True (T) or False (F).

1. The hexadecimal number system has 16 as its base. _____
2. There are 4 digits in the binary number system. _____
3. The computer understands the decimal number system. _____
4. Processing is required to convert any number system to the binary number system. _____
5. The octal number system has 8 as its base. _____