

### CLASS -7. QUESTIONS ANSWER CHAPTER 2

1. What are the different types of Number System Computer deals with?

Ans: Computer deals four types of number System:

- a) Decimal Number System.
- b) Binary Number System.
- c) Octal Number System.
- d) Hexa-Decimal Number System.

2. What do you mean by the terms? Give an example of each.

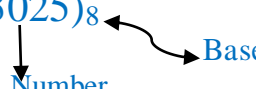
- a) Octal number system
- b) Hexadecimal Number System

Ans ::

a) Octal number:

The octal Number system consists of eight digits from 0 to 7. The base of the octal number system is 8. The number system is also a position value system.

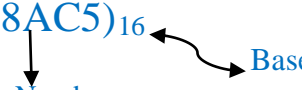
Example:  $(3025)_8$



b) Hexa-Decimal Number :

In Hexa-Decimal number System we use digits from 0 to 15. Here the digits 10 to 15 are represented by alphabets A to F. The base of Hexa-Decimal number system is 16.

Example:  $(8AC5)_{16}$



## Number System

---

3.

a) **Difference between Decimal & Binary.**

Ans:

<b>Decimal Number</b>	<b>Binary Number</b>
<ol style="list-style-type: none"><li>1. A decimal number uses all the digits from 0 to 9.</li><li>2. A decimal number system is represented with 10 as the base of the number.</li></ol>	<ol style="list-style-type: none"><li>1. Binary number deals with 0 and 1.</li><li>2. Binary numbers are composed of only 0s and 1s, where 2 is the base of the binary system.</li></ol>

b) **Difference between Octal Number and Binary Number.**

Ans:

<b>Octal Number</b>	<b>Binary Number</b>
<ol style="list-style-type: none"><li>1. An Octal Number System uses the digits from 0 to 7.</li><li>2. The base of octal number is 8.</li></ol>	<ol style="list-style-type: none"><li>1. Binary number deals with 0 and 1.</li><li>2. Binary numbers are composed of only 0s and 1s, where 2 is the base of the binary system.</li></ol>

=====