# Satish Chandra Memorial School

**Class – VII**

**CLASS TEST- 1**

**Subject – Computer**

**Topic – Number System**

**Marks – 10**

*Duration – 20 Minutes*

***General Instructions: Write date, Class test -1, Question and Answer with option number only. All questions are compulsory. Each question carries 1 mark***

***Choose the correct option for the following:***

I. The total number of digits used in a number system is call its _____.

a. Circle / Oval
b. Perpendicular / Altitude
c. Radius / Arc
d. Base / Radix

II. Which one of the following is not a type of Number System?

a. Hieroglyphics b. Hexadecimal c. Octal d. Binary

III. Why Binary number system is known as **base 2 number system**?

a. It can add 2 numbers only b. It consists of 2 digits; 0 & 1
c. It can subtract 2 number only d. It can multiply 2 digits only

IV. 1024 MB = 1 _____?

a. KB b. TB
c. GB d. PB

V. Which one the following is **not** a **correct step** to **Convert Binary Number to Octal Number?**

a. Group the binary digits into sets of three, starting from the rightmost digit
b. If necessary, add leading zeros to make the groups of three
c. Convert each group of three binary digits into its equivalent octal digits
d. Combine the binary digits to form the octal number

VI. Example: $(741)_8$

In the above example what does the Digit **8** stands for?

a. Base b. Altitude c. Perpendicular d. Angle

VII. To convert a binary number to its hexadecimal form, if necessary, _____to make the groups of four.

a. add trailing zeros b. add leading zeros c. subtract trailing zeros d. subtract leading ones

VIII. **$(1110)_2$ -> $(?)_{10}$**

a. $(16)_{10}$ b. $(15)_{10}$ c. $(14)_{10}$ d. $(24)_{10}$

IX. **$(22)_{10}$ -> $(?)_2$**

a. $(10100)_2$ b. $(11110)_2$ c. $(1000)_2$ d. $(10110)_2$

X. **Add: $(1101)_2$ & $(1010)_2$**

a. $(10111)_2$ b. $(10101)_2$ c. $(11101)_2$ d. $(11111)_2$