



# TUITO INTERNATIONAL SCHOOL

## HOLIDAY HOME WORK 2020-21

### SUBMISSION - ON OPENING OF SCHOOL

#### INSTRUCTIONS

#### CLASS – VII

- Do all the questions in your notebook.
- Please revise all the work done till now.
- In case of any queries contact your subject teacher.
- Use graph paper where required and stick in the notebook.

#### COMPUTER

Q1. Write difference between hibernate and sleep mode?

Q2. Name the different view formats? Briefly explain any two formats?

Q3. Make this chart of “convert binary number to decimal number” on A4 drawing sheet?(Activity 1)

**Example 1:**  
 $(1\ 0\ 1\ 0)_2$   
 $0 \times 2^0 = 0$   
 $1 \times 2^1 = 2$   
 $0 \times 2^2 = 0$   
 $1 \times 2^3 = 8$   
Thus  $(1010)_2 = (10)_{10}$

**Example 2:**  
 $(1\ 0\ 0\ 1)_2$   
 $1 \times 2^0 = 1$   
 $0 \times 2^1 = 0$   
 $0 \times 2^2 = 0$   
 $1 \times 2^3 = 8$   
Thus  $(1001)_2 = (9)_{10}$

**Example 3:**  
 $(110001001)_2 = (1 \times 2)^8 + (1 \times 2)^7 + (0 \times 2)^6 + (0 \times 2)^5 + (0 \times 2)^4 + (1 \times 2)^3 + (0 \times 2)^2 + (0 \times 2)^1 + (1 \times 2)^0$   
 $= 256 + 128 + 0 + 0 + 0 + 8 + 0 + 0 + 1$   
 $= 393$   
Thus  $(110001001)_2 = (393)_{10}$

Q4. On A4 sheet with color pen write these paragraphs?

**Fact File**

**Aryabhata** was India's greatest mathematician and astronomer. He introduced the concept of 0 (zero) without which modern computer technology would have been non-existent.

**Fact File**

**Gottfried Leibniz**, a German mathematician is credited with the invention of the modern Binary number system.

Q5. How will you set date and time for your computer?