

LOYOLA SCHOOL, BHUBANESWAR

First Class Evaluation – July 2025

Class: VII Subject: Computer F.M.= 20 Time: 40 mins.

**Q1. Convert the following numbers as mentioned . [1x5=5]**

- a.  $(1111)_{10} = (\dots\dots)_2$
- b.  $(877)_{10} = (\dots\dots)_2$
- c.  $(678)_{10} = (\dots\dots)_2$
- d.  $(100011)_2 = (\dots\dots\dots)_{10}$
- e.  $(111000)_2 = (\dots\dots\dots)_{10}$

**Q2. Define the following: [1x5=5]**

- a. Denary Number system
- b. Base
- c. Binary Number System
- d. Octal Number System
- e. Hexadecimal Number System

**Q3. Write any two Programs for the following using Java : [5x2=10]**

- a. WAP to assign length=34 m,width=28m, height= 19m of cuboid, calculate and display its volume( $l \times w \times h$ ) and surface area( $2 \times l \times h + 2 \times w \times h + 2 \times w \times l$ ).
- b. WAP to assign side=25m of cube, calculate and display its volume( $s^3$ ) and surface area( $6 \times s \times s$ ).
- c. WAP to assign radius=21.5m of circle, calculate and display its area ( $A = \pi r^2$ ) and circumference( $2\pi r$ ).

\*\*\*\*\*ALL THE BEST\*\*\*\*\*