



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject:Computer Science

Topic:Data Representation

Worksheet No.:1

Resource Person(s):Roilet Noronha

Date:_____

Name of the Student :_____

Class &Div:XI __

Roll Number :____

1. **Do as directed :**

- Convert the Decimal number 781 to its Binary equivalent.
 - Convert Binary number 101101.001 to its decimal equivalent
 - Convert Octal number 321.7 into its Binary equivalent
 - Convert the Hexadecimal number 3BC into its Binary equivalent
 - Convert the Binary number 10011010.010101 to its Hexadecimal equivalent
 - Convert the Hexadecimal number ABF.C into Octal number.
 - Convert the Octal number 576 to Decimal.
 - Convert 0101110.1010110 to Hexadecimal
2. Find the eight bit 2's complement of -24, -65,-27
3. Find x and y for: $(x)_{10} \rightarrow (1100.100)_2 \rightarrow (y)_8$



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject:Computer Science

Topic: Data Representation

Worksheet No.:1

Resource Person(s):Roilet Noronha

Date:_____

Name of the Student :_____

Class &Div:XI __

Roll Number :____

1. **Do as directed :**

- Convert the Decimal number 781 to its Binary equivalent.
 - Convert Binary number 101101.001 to its decimal equivalent
 - Convert Octal number 321.7 into its Binary equivalent
 - Convert the Hexadecimal number 3BC into its Binary equivalent
 - Convert the Binary number 10011010.010101 to its Hexadecimal equivalent
 - Convert the Hexadecimal number ABF.C into Octal number.
 - Convert the Octal number 576 to Decimal.
 - Convert 0101110.1010110 to Hexadecimal
2. Find the eight bit 2's complement of -24, -65,-27
3. Find x and y for: $(x)_{10} \rightarrow (1100.100)_2 \rightarrow (y)_8$