Guided Work Series No.02

Exercise 01:

Convert (Transform) the following numbers: $(1190)_{10}$, $(1800)_{10}$, $(85{,}35)_{10}$

1) To the binary number system.

2) To the octal number system.

3) To the hexadecimal number system.

Exercise 02:

Perform the following operations in the binary number system:

11.110 **×11.001**	**1101.11** **+1110.11**	**10001.1** **-00110.1**
=	**=**	**=**

1111	**10**	**10011101**	**111**

Exercise 03:

Convert (Transform) the following numbers to the decimal number system:

$(11011.101)_2$, $(10011.0101)_2$, $(672)_8$, $(1AF.C3)_{16}$.

Exercise 04:

Transform the following numbers from binary number system to octal system, hexadecimal system then to decimal system:

$(111001)_2$, $(11001.11)_2$

Exercise 05:

Transform the following numbers to the binary system (directly):

1) $(567.31)_8$
2) $(4125.261)_8$
3) $(2AF.1C)_{16}$
4) $(15E.BA)_{16}$