**Question: 1**

Perform the following conversions.

1. (110110)2=()16
2. (453)8=()2
3. (1001011)2=()10

**Question: 2**

Add and multiply following hexadecimal numbers without converting them into decimal

2E and 34

**Question: 3**

Determine the base of the numbers in each case for the following operations to be correct:

a) 24+17 = 40

**Question: 4**

A register is a small memory unit. Suppose 12 bit register contains following information : 100010010111. What is its content if the information is written in

a) BCD format

b) Excess 3 format