Pre Practical activity

Section A

Perform bit conversions on the following numbers to binary:

a) 24   (2)

b) 42   (2)

c) 200   (2)

Section B

Perform bit conversions on the following binary numbers to decimal:

a) 101011   (2)

b) 1101101   (2)

c) 11111110   (2)

Section C

Perform binary addition:

a) 1011 + 1101   (2)

b) 100101 + 11001   (2)

c) 1110101 + 1011011   (2)

Perform binary addition in an 8-bit register (Indicate an overflow):

d) 11011101 + 1010111   (4)

e) 10011110 + 11001101   (5)