LabWork#6

Question #1

- (a) Design Full-Adder circuit using logic gates.
- (b) Draw the 4-bit parallel adder, and find the sum and output carry for the addition of the following two 4-bit numbers if the input carry (Cin) is 0:

A4A3A2A1=1010 and B4B3B2B1=1011

Question # 2

- (a) Design 2-to-1-line multiplexer.
- (b) Design the 4-to-1-line multiplexer