Classwork 03 CPE 221 Computer Organization

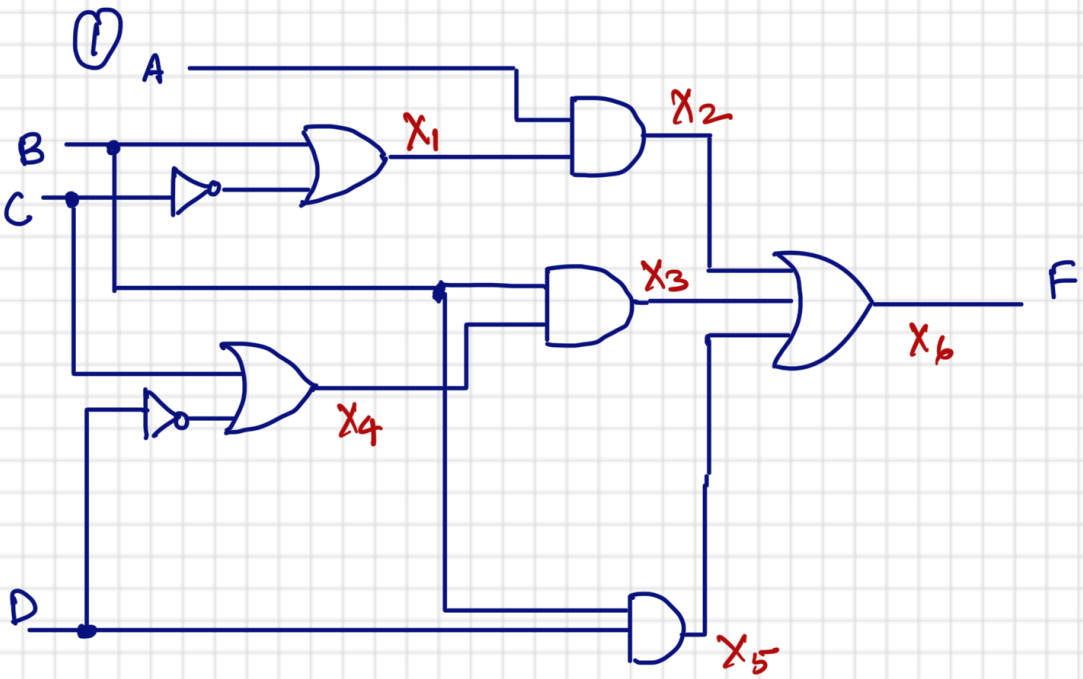
Instructor: Rahul Bhadani

Spring 2025, UAH

Total Marks: 20

Student's Name: _____

(1) (5 points)



Write down the boolean expression for x_1, x_3, x_4, x_5 x_6. For example $x_2 = A \cdot (B + \bar{C})$

(2) Convert 1234.125 to binary. (Not IEEE754 floating format)

(5 points)

③ Convert 85.125 to IEEE 754 floating point binary format (Single precision, i.e. 32 bit)

(10 points)