

Recitation 12 Practice Solution- Computer Organization, Spring 2013

1. According to the truth table , design the digital circuit .

A	B	C	Output
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

Sol:

BC	00	01	11	10
A 0	0	1	0	1
A 1	1	1	1	1

$$\text{Output} = A + B \oplus C$$