**CSC 133**

**Logic gates assignment**

This lab is for solving and practicing more on logic gates circuit problems. Solve the given circuit based on logic gate tables and find out the final answer. Find out the values of all question marks in circuit and replace it with the correct values. When you have complete the worksheet save it and upload it to logic circuit lab dropbox in Cobra.

1.

C

B

A

0 0

0

1

0

0

0

Final answer: \_\_\_1\_\_\_

2.

0 0

A

C

0

D 0

0 B E 0

1 0

1

1

1

Final answer: \_\_\_\_0\_\_\_\_\_

3.

A

1 1

0

1

1 1 E

0 B

D

0

1 C

1 1

Final answer: \_\_\_\_1\_\_\_\_\_

4.

0 1

C

E

D

B

A

1 0 1

0

1 0

0 0

Final answer: \_\_\_\_1\_\_\_\_

5.

G

E

F

C

D

A

B

1 0

1 1

0

0 0 0

1 1

1

0 0

0 1

Final answer: \_\_\_0\_\_\_\_

6.

Final answer: \_\_\_\_\_0\_\_\_\_\_\_

1=1,2=1,S=1,A=1

3=1,4=0,T=0,B=1,L=1,P=0,R=0

C=1,D=0,M1=0,

E=1,F=1,M2=1,Q=0,

5=1,6=1,U=1,G=1

7=1,8=0,V=0,H=1,O=1