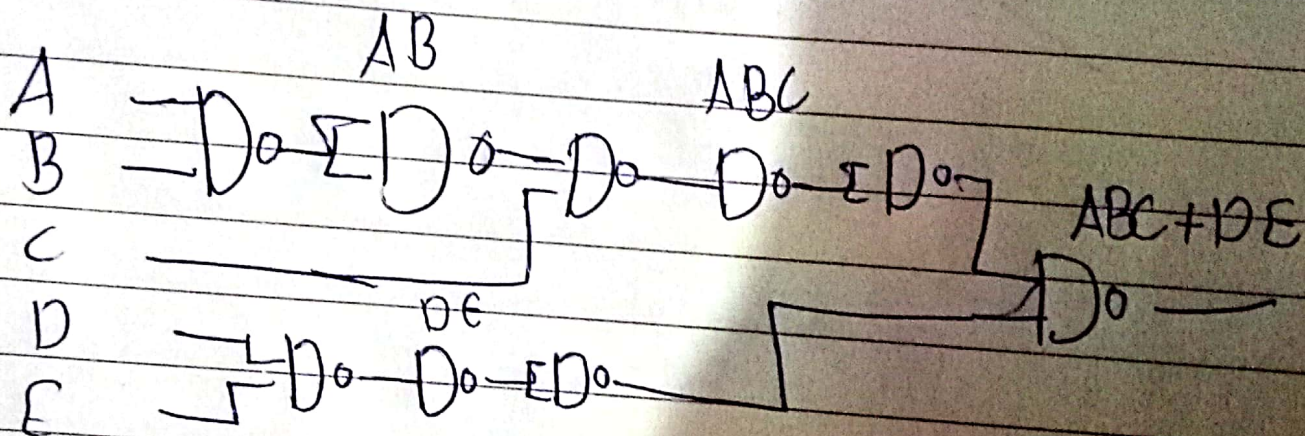
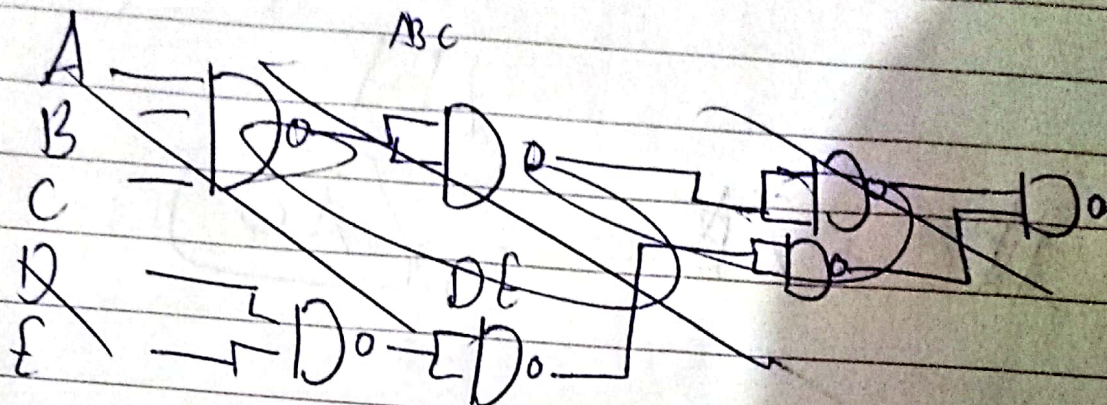




(Q4)  $ABC + DE$





(02)

Date: \_\_\_\_\_

$$\bar{A}BC + A\bar{B}\bar{C} + \bar{A}\bar{B}C + A\bar{B}C + A\bar{B}C$$
$$\bar{B}\bar{C}(\bar{A} + A) + AC(\bar{B} + B)$$
$$BC + \bar{B}\bar{C} + AC$$

~~$BC + \bar{B}\bar{C} + A\bar{B}C$~~

$$BC + \bar{B}\bar{C} + A\bar{B}C$$

$\bar{B}\bar{C}$

$$C(B + A\bar{B})$$

$$A \rightarrow C(A + B) + \bar{B}\bar{C}$$

AC or BC

~~$AC + A\bar{B}BC + \bar{B}\bar{C}$~~

$$C(A+B) + (\bar{B} + \bar{C})$$

~~$B\bar{C} + A\bar{B} + \bar{B}\bar{C}$~~

$$AC + BC + \bar{B}\bar{C}$$

~~$B\bar{C}$~~   $AC$   $BC$   $B$   $\bar{C}$   $A\bar{B}$

Date: \_\_\_\_\_

(Q3)

AB \ C	0	1
00	1	0
01	0	1
11	1	1
10	0	0

$$\overline{A}B\overline{C} + ABC$$

$$AB\overline{C} + ABC$$

$$\overline{A}B\overline{C} + BC + AB$$

$$AB + BC + \overline{A}B\overline{C}$$

$$\overline{A}\overline{B}\overline{C} + \overline{A}B\overline{C}$$

$$\overline{A}\overline{C}$$

AB \ C	0	1
00	1	1
01	1	0
11	0	1
10	1	1

$$ABC + \overline{A}B\overline{C} = AC$$

$$\overline{A}B\overline{C} + \overline{A}B\overline{C} + \overline{A}B\overline{C} + \overline{A}B\overline{C}$$

$$\overline{B} + AC + \overline{A}\overline{C}$$



Q2)  $\overline{A}BC$  &  $A\overline{B}C$   
 $\overline{A}BC\overline{D}$  &  $A\overline{B}C\overline{D}$

$\overline{B}C$

$A\overline{B}C$  &  $A\overline{B}C\overline{D}$   
 $\overline{A}BC$

$\overline{B}C$  &  $\overline{A}BC$

Date: \_\_\_\_\_

(Q3)  
 (U)

AB \ CD	00	01	11	10
00	1	1	0	0
01	1	1	1	1
11	0	0	0	0
10	0	1	1	0

$$\overline{A}\overline{B}C\overline{D} + \overline{A}\overline{B}CD + A\overline{B}C\overline{D} + A\overline{B}CD$$

$\overline{A}\overline{B}$

$$\overline{A}\overline{B}C\overline{D} + A\overline{B}C\overline{D}$$

$\overline{A}\overline{B}C$

$$\overline{A}\overline{B}C\overline{D} + \overline{A}\overline{B}CD + A\overline{B}C\overline{D} + A\overline{B}CD$$

$\overline{B}\overline{C}$

$$\overline{A}\overline{B} + \overline{A}\overline{B}C + \overline{B}\overline{C} + \overline{B}\overline{C}D$$

AB \ CD

AB \ CD	00	01	11	10
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

AB \ CD	00	01	11	10
00	1	0	0	1
01	1	1	0	1
11	1	1	0	1
10	1	0	1	1

$$\overline{A}\overline{B}C\overline{D} + \overline{A}\overline{B}CD + A\overline{B}C\overline{D} + A\overline{B}CD + \overline{A}BC\overline{D} + \overline{A}BCD + A\overline{B}C\overline{D} + A\overline{B}CD$$

$\overline{D}$

$\overline{A}BC$  &  $\overline{A}BCD$

$\overline{A}BC$

$$\overline{A}BC\overline{D} + \overline{A}BCD$$

$$\overline{A}BC\overline{D} + \overline{A}BCD$$

$\overline{B}\overline{C}$

$$\overline{A}BC + \overline{B}\overline{C} + \overline{D}$$