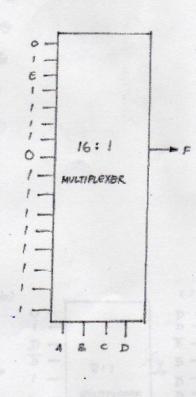
## EE 451

## HOME WORK # 9/8

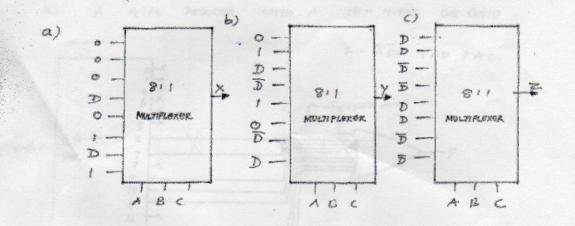
2/7

F(A,B,C,D,E) = A+20 + 80 + 80 + 806

| AB                      | c D  | NAMES OF PARTY AND PARTY A | F       |
|-------------------------|------|--|---------|
| 00,00,00,00,00,00,00,00 | 0000 | 9-   | 00      |
| 0. 6                    | 0 .  | 0  | <u></u> |
| 0 0                     | 100  | 0_   | (2).    |
| 0 0                     | 000  | 01   |         |
| 0 1                     | 0 0  | 0  | 1       |
| 001                     | 01   | 0  | !       |
| 0 !                     | 10   |  | 1       |
| 0.1                     | 1-1  | 0- 10-   | 0       |
| 6 1                     | 1 1  |  | 0       |
| 1 0                     | 0 0  | 1,   | 1       |
| 10                      | 0 1  | 0  | 1       |
| 1 0                     | 76   | 0  |         |
|                         |      |  |         |
| 10                      | 1    |  |         |
| 11                      | 00   | 0  |         |
| 1,                      | 0/   | 0  |         |
| 1 1                     | 01   | -  | !       |
| 111                     | 10   | 0  | 1       |
| 1 /                     | 110  |  |         |

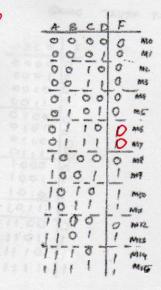


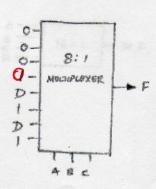
| A   | B | e p | x yz  |
|-----|---|-----|-------|
| 0   | 0 | 01  | 000 0 |
| 00. | 0 | 10  | 010 6 |
| 000 | 1 | 01  | 010   |
| 0   | 1 | 10  | 0116  |
| 0 - | 0 | 00  | 010   |
| 1   | 0 | 10  | 1016  |
| 1   | 1 | 00, | 011 0 |
| 1   | , | 10  | 101 6 |



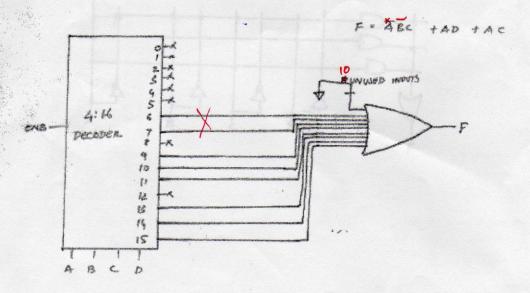
4.18?

a) F = ABC + AD +AC





b) A 4:16 DECODER WITH A 16 - INPUT OR CATE



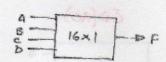
4.18

## ABC+ AD+AC

A 16 - WORD ROM

SAME TRUTH TABLE AS PAKT A

| ABCD  | F  |
|-------|----|
| 0000  | To |
| 0001  | 0  |
| 0010  | 0  |
| 0011  | 0  |
| 0100  | 0  |
| 0101  | 0  |
| 0110  | D  |
| 0111  | 0  |
| 1000  | 0  |
| 1001  |    |
| 1010  | 1  |
| 1011  | 1  |
| 11.00 | 0  |
| 1101  | 1  |
| 1110  | 1  |
| 11111 | 1  |



4)

