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| Students Name | Digital Logic Design 1/11/2023 | Student ID |
| | Quiz 2 11-points | |

Q1: Find the complement of the following expression:

$$F = (A\bar{B} + C)\bar{D} + E$$

$$\bar{F} =$$

Q2: Consider the truth table shown to the right.

Express the function F as:

Sum of Minterms

F=

Product of Maxterms

F=

| A | B | C | F |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |