

Section-7

① What is meant by "maxterms" and "minterms"?

A minterm has the property that it is equal to 1 on exactly one row of the truth table.

A maxterm is a sum (OR) of all the variables in the function in direct or complemented form. A maxterm has the property that it is equal to 0 on

exactly one row of the truth table. In minterms we can indicate that.

- write the term consisting of all the variables
- Replace all complement variables like \bar{x} or x' with 1
- Replace all non-complement variables like x or y with 0
- Express the decimal equivalent of binary formed in the above steps.