

Computer science

Worksheet -2

Date:02.09.2022 Class:XI

Marks:20

1.What do you mean by tautology and fallacy? (2)

2.What is a truth table? What is the other name of truth table? (2)

(a) a+0=? (b) a+1=? (c) a.0=? (d) a.1=?

3.What is the significance of principle of duality? (3)

4.Write dual of the following Boolean expression (4)

(a) (x+y’) (b)xy+xy’+x’y (c)a+a’b+b’ (d) (x+y’+z)(x+y)

5.States the law’s of complementary law with truth table? (2)

6.Differentitate between Associative and Distributive Law ? (3)

7.State DeMorgan’s First theorem? (4)