CBSE NET July 2016 PAPER II

Q. The Simplified form of a Boolean equation (AB’+AB’C+AC)(A’C’ +B’) is

(A) 0
(B) 1
(C) -1
(D) -2

Ans :- (A)

Explanation:-

(AB’+AB’C+AC)(A’C’ +B’)
On simplifying above equation,
(AB’A’C’+AB’CA’C’+ACA’C’+AB’B’+AB’CB’+ACB’)
(0+0+0+AB’+AB’C+ACB’)
Because multiplication of element with its complement is 0.
(AB’+AB’C)
AB’(1+C)

AB’

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