

1. The simplified form of the Boolean function $F(W, X, Y, Z) = \sum(4, 5, 10, 11, 12, 13, 14, 15)$ with the minimum number of terms and smallest number of literals in each terms is _____
- (a) $WX + \bar{W}X\bar{Y} + W\bar{X}Y$
 - (b) $WX + WY + X\bar{Y}$
 - (c) $X\bar{Y} + WY$
 - (d) $\bar{X}Y + \bar{W}\bar{Y}$

(GATE IN 2023)