Change of voltage due to a change of flux density. The voltage between the terminals of a charged capacitor with a linear dielectric equals V. If the electric flux density at every point in the dielectric is doubled, the voltage of the capacitor in the new electrostatic equals.

(A) $V/2$.
(B) V.
(C) $2V$.
(D) $4V$.
(E) None of the above.

Solution: (C)
Answer: (C)