For the reaction $2A + 3B + \dfrac{3}{2}C \rightarrow 3P$, which statement is

correct ?   [Sep. 03, 2020 (II)]

(a) $\dfrac{dn_A}{dt} = \dfrac{3}{2}\dfrac{dn_B}{dt} = \dfrac{3}{4}\dfrac{dn_C}{dt}$

(b) $\dfrac{dn_A}{dt} = \dfrac{dn_B}{dt} = \dfrac{dn_C}{dt}$

(c) $\dfrac{dn_A}{dt} = \dfrac{2}{3}\dfrac{dn_B}{dt} = \dfrac{4}{3}\dfrac{dn_C}{dt}$

(d) $\dfrac{dn_A}{dt} = \dfrac{2}{3}\dfrac{dn_B}{dt} = \dfrac{3}{4}\dfrac{dn_C}{dt}$