

QUESTION:

The value of rate constant of a pseudo first order reaction.

- A Depends only on temperature
- B Depends on the concentration of reactants present in small amounts
- C Depends on the concentration of reactants present in excess
- D Is independent of the concentration of reactants

ANSWER:

Correct option is C)

The value of the rate constant of pseudo-first-order reaction depends on the concentration of reactants present in excess amount. A pseudo-first-order reaction can be defined as a second-order or bimolecular reaction that is made to behave like a first-order reaction. This reaction occurs when one reacting material is present in great excess or is maintained at a constant concentration compared with the other substance.