

QUESTION

3. For the reaction $A + 2B \rightarrow C$, rate is given by $R = [A] [B]^2$ then the order of the reaction is

- (1) 3
- (2) 6
- (3) 5
- (4) 7

ANSWER :

The order of the reaction is the sum of the power of the concentration terms in rate law expression. $R = [A] [B]^2$

So, order of reaction = $1+2 = 3$

Hence option (1) is the answer.