

**Question 7.** In any uni molecular reaction,

- (a) only one reacting species is involved in the rate determining step
- (b) the order and the molecularity of slowest step are equal to one
- (c) the molecularity of the reaction is one and order is zero
- (d) both molecularity and order of the reaction

**Solution:** (a, b) For any unimolecular reaction, only one reactant is involved in rate determining step and the order and molecularity of rate determining or slowest step are one.



$$\text{Rate} = k[A]$$