

- A. Order of reaction
C. Mole of a reaction
- B. Rate of reaction
D. Extent of a reaction

Answer: Option A

7. During SN₂ mechanism carbon atom changes its state of hybridization as
- A. sp²?sp²
C. sp³?sp
- B. sp²?sp³
D. sp³?sp²

Answer: Option D

8. What will be the order of reaction of a reaction whose rate can be expressed as $R = k [A] [B]^2$?
- A. Zero
C. Two
- B. One
D. Three

Answer: Option C

9. Which one among the following is not a good leaving group?
- A. HSO₄
C. OH⁻
- B. C⁻
D. Br⁻

Answer: Option C

10. What is the order of kinetics in the SN₁ mechanism?
- A. Zero
C. Second
- B. First
D. Third

Answer: Option B