

- A. Refractometric method B. Dilatometric method
C. Optical activity method D. Half life method

Answer: Option D

37. Energy of activation for backward reaction is less than forward reaction for _____ reaction

- A. Endothermic B. Exothermic
C. Moderate D. Fast

Answer: Option A

38. The unit of slope in Arrhenius plot to calculate the energy of activation is

- A. K-1 B. ?F
C. K D. ?C

Answer: Option c

39. Which statement is incorrect about catalyst

- A. it is used in smaller amount B. decrease activation energy
C. specific in action D. it affects specific rate constant

Answer: Option D

40. Which of the following type of reaction is 3rd order reaction

- A. $2N_2O_5 = 2N_2O_4 + O_3$ B. $NO + O_3 \rightarrow NO_2 + O_2$
C. $2FeCl_3 + 6KI \rightarrow 2FeI_2 + 6KCl + I_2$ D. None of these

Answer: Option c