11. When a graph is plotted between 1/T on X-axis and log k on y-axis a straight line is obtained with a negative slope which has two end in

A. I and II quadrant
B. II and III quadrant
C. III and IV quadrant
D. II and IV quadrant

Answer: Option D

12. Rate of disappearance of reactant is equal to

A. Rate of reaction
B. Rate of formation of product
C. Energy released during reaction
D. a and b

Answer: Option A

13. Rate of reaction when concentration of reactants are taken as unity is called

A. Arrhenius constant
B. Molecularity
C. Specific rate constant
D. Ideal rate constant

Answer: Option C

14. Order of reaction of 2N2O5 ? 2N2O4+O2 is

A. First order
B. Second order
C. Third order
D. zero order

Answer: Option A

15. For 3rd order reaction the hhalf life is inversely proportional to initial concentration of reactants

A. Single
B. Square
C. Cube
D. Raise to power four

Answer: Option B

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16. Which order of reaction obeys the relation t1/2 = 1/Ka

A. First order
B. Second order
C. Third order
D. Zero order

Answer: Option B

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17. Radiations are absorbed in

A. Spectrophotometer method
B. Dilatometric method
C. Optical relation method
D. Refractometric method

Answer: Option A

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18. Activated complex is formed due to

A. Pressure
B. Effective collision
C. Ineffective collisions
D. Temperature

Answer: Option B

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19. Energy of reactant higher than energy of product favours

A. Endothermic
B. Exothermic
C. Moderate reaction
D. No reaction

Answer: Option B

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20. Energy required to form transition state is called

A. Ea
B. P.E
C. V
D. K.E

Answer: Option A

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