

CHEMISTRY-11	Chapter#11(Complete-Smart Syllabus) Test-3		
	Name:	Class:	ID:
Date: / /	Marks Total: 30	Marks Obtained:	
Time Allowed: 50 Min.			

Maximum Marks: 10

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- In zero order reaction, the rate is independent of:
 - Temperature of reaction
 - Concentration of reactants
 - Concentration of products
 - None of these
- The order of decomposition of nitrogen pentaoxide ($2\text{N}_2\text{O}_5 \rightarrow 2\text{N}_2\text{O}_4 + \text{O}_2$) is:
 - First order
 - Second order
 - Third order
 - Zero order
- Half life period of ${}_{92}\text{U}^{235}$ is:
 - 710 million years
 - 720 million years
 - 810 million years
 - 820 million years
- Radioactive disintegration reactions are always _____ order reactions.
 - First
 - Second
 - Zero
 - Fractional
- The half-life period of a reaction is equal to $\frac{1}{k_a}$. The order of reaction is:
 - 1
 - 2
 - 3
 - 0
- The reaction intermediate formed during the reaction $\text{NO}_2 + \text{CO} \rightarrow \text{NO} + \text{CO}_2$ is:
 - N_2O_4
 - N_2O
 - N_2O_5
 - NO_3
- Just before collision:
 - P.E. & K.E. of the system increase
 - P.E. & K.E. of the system decrease
 - P.E. increases while K.E. decreases
 - P.E. decreases while K.E. increases
- For exothermic reaction, the E_a of reverse reaction is _____ that of forward reaction.
 - Greater than
 - Smaller than
 - Equal to
 - All
- The elements of group IA are _____ reactive than that of IIA.
 - More
 - Equally
 - Less
 - None
- In darkness, the reaction between H_2 and Cl_2 is:
 - Slow
 - Moderate
 - Explosive
 - Negligible

Maximum Marks: 20

(SUBJECTIVE TYPE)

Time Allowed: 40 Min.

SECTION-I

Q.2: Give brief answers to the following questions:

(12)

- Rate of reaction is changing every moment. Explain.
- What are pseudo first order reactions? Explain with an example.
- Half-life period of radioactive decay is independent of the amount of the substance. Explain.
- What are the conditions for a collision to be effective?
- Describe method of large excess for finding the order of reaction?
- Name the factors which affect the rate of reaction.

SECTION-II

NOTE: Attempt All Questions:

(08)

Q.3: Describe half life method for finding the order of reaction.

Q.4: Explain the effect of temperature on the rate of reaction by Arrhenius equation.