Sardar Bhagwan Singh University
Balawala Dehradun

Physical Chemistry (CHEM-523)

Each Carry one marks MM: 20

1. Write the general formula for finding the unit of rate constant.
2. Write Vont's Hoff equation.
3. What is the relationship between $t_{1/2}$ and t_{avg}.
4. Write Erying Equation.
5. Preexponential factor of Collision ~~theory~~ theory is directly proportional to: _____
6. Radioactive reaction always follow which order of kinetics.
7. The number of effective collision, if $E_a = 0$ is.
8. Write the relation between E_a and E_0.
9. Write the rate equation of HBr ~~reaction~~ formation reaction.
10. At low Concentration, the reaction follow which order of kinetics, acc. to Lindemann theory?

11. Write the full form of DME.

12. Write Ilkovic equation.

13. Write one prevention method by corrosion.

14. Give one application of polarography.

15. Half wave potential is denoted by _____

16. What does a plot of Current Vs Potential in polarography shows.

17. How many types of Corrosion are there?

18. Write Arrhenius equation.

19. Write one advantage of DME.

20. What is working electrode in Polarography