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- 3. Conductance: Conductance of electrolytes cell constant, specific conductance, equivalent conductance and molecular conductance, effect of dilution on various type of conductance and their measurement. Kohlrausch's law of independent migrations of ions and its applications, conductometeric titration.
- 4. Electrochemical Cells: Reversible and irreversible cells and electrodes, E. M. F. of a cell and its measurement, Galvanic cells, electrode potential and its origin, standard electrode potential, Nernst equation, determination of electrode potential, concentration cells, definition, classification, working of concentration cells and their applications, potentiometric titrations (acid-base, redox and precipitation).

## PAPER-III B (Inorganic Chemistry)

Five questions will have to be answered selecting at least one question from and not more than two each group. Four questions will be set from each group.



