

PG (CBCS)
M.Sc. Semester-II Examination, 2020
CHEMISTRY
PAPER: CEM-201
(PHYSICAL CHEMISTRY - II)

Full Marks: 20

Time: 1 Hours

Answer any two questions of the following:

2×10=20

1. Give a brief account for variational principle.
2. Discuss about inner sphere and outer sphere mechanism of a redox reaction with examples.
3. Discuss different methods that are used to measure the kinetics of fast reaction.
4. Write an account of Debye Huckel theory of electrolyte solutions.
5. (a) What are meant by fluorescence and phosphorescence? (b) What is the difference between the two?
6. Derive the BET equation of adsorption on solids.
