



“Education for Knowledge, Science and Culture.”
 – Shikshanmaharshi Dr. Bapuji Salunkhe
Shri. Swami Vivekanand Shikshan Sanstha’s
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)




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Department of Chemistry
Course Outcomes (COs): Chemistry

B. Sc. Part II Chemistry (Introduced in the year 2019-20)	
Semester III	
Paper III: DSC-1002 C	
Section I: Physical Chemistry	
CO No.	On completion of the course, student will be able to:
CO1	Learn various aspects of solutions and its importance.
CO2	Study the electrochemical cell and its conventions and applications in chemistry.
CO3	Acquire the aspects of conversion of chemical energy into electrical energy.
CO4	Understand phases, components, degrees of freedom, phase diagram and its importance.
Section II: Organic Chemistry	
CO1	Explain the methods of classification and synthesis of aliphatic carbohydrates and their derivatives as well as its reactions.
CO2	Understand the methods of classification and synthesis of aromatic carbohydrates and their derivatives as well as its reactions.
CO3	Illustrate the methods of synthesis of amino acids, peptides and Proteins.
CO4	Learn the methods of synthesis of amines and diazonium Salts.
Semester IV	
Paper IV: DSC-1002 D	
Section I: Inorganic Chemistry	
CO No.	On completion of the course, student will be able to:
CO1	Understand general group trends of 3d transitions series.
CO2	Calculate crystal field stabilization energy of tetrahedral and octahedral inorganic complexes and hence stability.
CO3	Learn fundamentals of structural properties of various coordination complexes.
CO4	Study general properties, preparation and separation methods of

	actinoids and lanthanoids.
Section II: Physical Chemistry	
CO1	Explain the aspects of kinetic theory of gases and its importance.
CO2	Gain the Knowledge about liquids.
CO3	Understand different units cells, structures and laws related to solids.
CO4	Adapt Knowledge about liquids, gases and chemical kinetics.




Dr. (Mrs). S, D, Shirke
HEAD
DEPARTMENT OF CHEMISTRY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)