



**“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>B. Sc. Part I Chemistry (Introduced in the year 2018-19)</b>	
<b>Semester I</b>	
<b>Paper I: DSC-1002A</b>	
<b>Section I: Inorganic Chemistry</b>	
<b>CO No.</b>	<b>On completion of the course, student will be able to:</b>
CO1	Understand the fundamentals of atom.
CO2	Learn the details of 's' and 'p' block elements in the periodic table.
CO3	Acquire the knowledge regarding ionic bonding, covalent bonding and its formation.
CO4	Learn the aspects of AOs, MOs, LCAO.
<b>Section II: Organic Chemistry</b>	
CO1	Study the Fundamentals of Organic Chemistry.
CO2	Understand the Stereochemistry of different compounds.
CO3	Acquire structural aspects of the organic compounds and its impact on properties.
CO4	Describe the various chemical reactions of the aliphatic hydrocarbons like alkanes, alkenes, alkynes.
<b>Semester II</b>	
<b>Paper II: DSC-1002B</b>	
<b>Section I: Physical Chemistry</b>	
<b>CO No.</b>	<b>On completion of the course, student will be able to:</b>
CO1	Learn enthalpy of reaction and its types.
CO2	Understand the different laws of thermodynamics and its importance in the chemistry.
CO3	Adopt the concept of free energy and its importance in the feasibility of chemical reactions.
CO4	Study the fundamental aspects of solubility and ionization.

<b>Section II: Organic Chemistry</b>	
CO1	Describe the various chemical reactions of the aromatic hydrocarbons.
CO2	Gain the knowledge of preparation and chemical reactions of halides.
CO3	Adopt the knowledge of preparation and chemical reactions of aldehydes and ethers.
CO4	Impart the knowledge of preparation and chemical reactions of phenols and alcohols.



  
Dr. (Mrs). S, D, Shirke  
**HEAD**  
DEPARTMENT OF CHEMISTRY  
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