

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003

UGC Recognition Under 2 F & 12(B) UGC Act 1956

Affiliated to Shivaji University, Kolhapur (M.S.)

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Department of Chemistry

Course Outcomes (COs): Chemistry

B. Sc. Part I Chemistry (Introduced in the year 2021-22)	
Semester I	
Inorganic Chemistry (DSC-1002 A1)	
CO No.	On completion of the course, student will be able to:
CO1	Adopt the fundamental concepts about atomic structure.
CO2	Discuss the aspects in Ionic bonding and valence bond theory.
CO3	Understand the details of general trends in periodic table w.r.t. 's' block elements in the periodic table.
CO4	Learn the aspects of AOs, MOs, LCAO.
Organic Chemistry (DSC-1002 A2)	
CO No.	On completion of the course, student will be able to:
CO1	Learn the fundamental concepts in organic chemistry and aromaticity.
CO2	Understand the Stereochemistry of different compounds.
CO3	Acquire structural aspects of the organic compounds and its impact on properties.
CO4	Understand the different methods of synthesis of various organic compounds - Aldehydes and ketones.
Semester II	
Physical Chemistry (DSC-1002 B1)	
CO No.	On completion of the course, student will be able to:
CO1	Understand the laws of thermodynamics,
CO2	Adopt the knowledge of Thermochemistry and Nuclear chemistry.
CO3	Learn various aspects of enthalpy and free energy.
CO4	Acquire the knowledge about Chemical Kinetics,
Analytical & Industrial Chemistry (DSC-1002 B2)	
CO No.	On completion of the course, student will be able to:
CO1	Acquire fundamental skills required for Analytical & Industrial

	chemistry
CO2	Gain the knowledge about various techniques in Chromatography.
CO3	Study the various aspects in Dairy and Leather chemistry.
CO4	Illustrate different terminologies in titrimetric analysis.




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