



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಅಕ್ಕಮಹಾದೇವಿ ಮಹಿಳಾ ವಿಶ್ವವಿದ್ಯಾಲಯ, ವಿಜಯಪುರ.

(ಹಿಂದಿನ ಪದನಾಮ: ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಹಿಳಾ ವಿಶ್ವವಿದ್ಯಾಲಯ, ವಿಜಯಪುರ.)

**CHEMISTRY SUBJECT C.O AND P.O**

Semester	Code	Paper Title	Course Outcome
<b>First Semester</b>	CHT 1.1	Inorganic chemistry-I	CO -1 The students learnt the skills in Inorganic chemistry CO -2 The students shall have knowledge on atomic structure periodic properties and chemical bonding CO -3 They understand the chemical and physical properties of elements in the periodic table CO -4 They understand the theories in Inorganic chemistry
	CHT 1.2	Organic chemistry-I	CO -1 The students shall have basics and fundamental theories of organic chemistry CO -2 They understand the nature of bonding and aromaticity in organic chemistry CO -3 They acquired knowledge of substitution reaction occurring in organic molecule CO -4 They understand electron delocalisation and its effect on stability and reactivity
	CHT 1.3	Physical chemistry-I	CO- 1 The students shall have ideas on physical phenomenon on chemical thermodynamics and chemical kinetics CO -2 The students shall get introduced to basics and application of chemical thermodynamics CO -3 They acquired the knowledge of catalysis and electrochemistry in solution state CO -4 They understood the basics of corrosion , corrosion control and its application
	CHT 1.4	Analytical Chemistry-I	CO -1 They understood the concepts of classical methods of analysis like titrimetry , gravimetric CO -2 The students shall have knowledge of purity and separation techniques CO -3 They acquired basics of electro analytical techniques
<b>Second Semester</b>	CHT 2.1	Inorganic chemistry-II	CO -1 The students learnt the skills in Inorganic chemistry CO -2 The students shall have knowledge on catalysis and synthesis of organometallic compounds CO -3 They understand symmetry of elements and group theory CO -4 They understand the properties and structure of non transition elements
	CHT 2.2	Organic chemistry-II	CO -1 The students shall have idea on rearrangement and synthesis of organic reagents CO -2 They understood the chemical reaction and synthesis of heterocyclic compounds CO -3 They acquired knowledge of rearrangement and reactions of per cyclic compounds CO -4 They understood principle and synthesis of combinatorial constituent
	CHT 2.3	Physical chemistry-II	CO- 1 The students shall have ideas on solid state chemistry and nano materials CO -2 The students shall get introduced to basics and applications and commercial importance of polymers CO -3 They acquired the knowledge of thermal and photochemical reactions CO -4 They understood the principle of general and specific acid base catalysis reactions
	CHT 2.4	Analytical Chemistry-II	CO -1 They understood the concept of statistical treatment of samples using analytical data CO -2 The students shall have knowledge general principles , properties of precipitates and acid base titration CO -3 They acquired basics of precipitation and complex metric titration using edta CO -4 They get knowledge of instrumentation and calibration of flame photometry

<b>Third Semester</b>	CHT 3.1	Organic chemistry-III	CO -1 The students learnt about Electronic Chiraptical Vibration Spectroscopy CO -2 The students shall have knowledge on Experimental Methods FTIR Sampling Techniques. CO -3 They understand the Magnetic Properties of Nucleus and Chemical Shift of Different Organic Compounds CO -4 They acquired the knowledge on Multinuclear NMR
	CHT 3.2	Physical chemistry-III	CO -1 The students shall have idea on Statistical Thermodynamics and Types of Statistics CO -2 They understood the Thermodynamics Concepts and I and II law of Thermodynamics CO -3 They acquired knowledge of Colloids, Properties of Colloidal systems and Importance of Colloids CO -4 They understood the Quantum Chemistry and their applications
	CHT 3.3	Inorganic chemistry-III	CO- 1 The students shall have ideas on Laws of Photochemistry CO -2 They acquired the knowledge of Classification Synthesis and stability Organometallic compounds CO -3 They understood the Fundamental Unites of Radioactivity and applications Nuclear Chemistry. CO-4 They Understood the Physical and Chemical Properties of Raw Materials used in industrial Chemistry
	CHSCT 3.4	Analytical Chemistry-III	CO- 1 The students shall have ideas on General terms and Parameters used in Chromatography. CO -2 The students shall have ideas on Principle Methodology and application of Thin layer Chromatography CO -3 The students acquired Knowledge on Ion Pair Paper Chromatography . CO-4 They Understood the principles and Applications Electro Chromatography.
<b>Fouthh Semester</b>	CHT 4.1	Organic chemistry-IV	CO- 1 The students Gain Knowledge on Mass Spectroscopy and theirs principle CO -2 They are able to identify types of Perry cyclic reaction Mechanisms CO -3 They understood the Nomenclature Structure and Synthesis of Different Heterocyclic Compounds CO-4 They Acquired Knowledge on Oxidation Reduction Reagents.
	CHSCT 4.4.1	Physical chemistry-IV	CO- 1 The students shall have ideas on Electrochemistry and Photochemistry CO -2 They acquired the knowledge of Catalysis reaction and Group theory . CO -3 The Students Shall have Molecular spectroscopy and Raman Spectroscopy. CO-4 They are able to get knowledge on Polymer Chemistry and Their Applications.
	CHSCT 4.4.2	Inorganic chemistry-IV	CO- 1 The students shall have ideas on Metal Legend Equilibrium and Calculation of Stability Constants CO -2 They acquired the knowledge on Essential and trace Metals Which are play in important role in biological system. CO -3 They understood the Principles and Applications of Mossbauer Spectroscopic Techniques. CO-4 They Understood the Basic Principles Zero field Splitting Kramer's degeneracy and Photo electron Spectroscopy.
	CHMP4.3	Major project	PO-Project Work Involving Revive of Current Literature Theoretical Method Computer Applications Experimental Work based on Organic, Inorganic and Physical Chemistry.