



**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES
AND COMMERCE, SAINIKPURI, SECUNDERABAD.**

Autonomous College

Affiliated to OSMANIA UNIVERSITY, Hyderabad.

(Accredited with 'A' grade by NAAC)

CHEMISTRY SYLLABUS

(2015-2018)

NON CBCS SYSTEM

CHEMISTRY SYLLABUS (2015-2018)

SEMESTER I AND II

PAPER	SEMESTER	CODE& TITLE	UNITS	CLASSES ALLOTTED	TOTAL CLASSES	TOTAL MARKS
I	I	CT 135 (THEORY) INORGANIC CHEMISTRY-I AND GENERAL CHEMISTRY-I	UNIT I AND UNIT II: INORGANIC CHEMISTRY -I	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III AND UNIT IV: GENERAL CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	
I	I	CT 135 P PRACTICALS	INORGANIC CHEMISTRY (QUANTITATIVE ANALYSIS/TITRIMETIC ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	50
II	II	CT 235 (THEORY) PHYSICAL CHEMISTRY-I AND ORGANIC CHEMISTRY-I	UNIT I AND UNIT II: PHYSICAL CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III AND UNIT IV: ORGANIC CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	
II	II	CT 235 P PRACTICALS	INORGANIC CHEMISTRY (QUANTITATIVE ANALYSIS/ TITRIMETIC ANALYSIS))	02 HOURS/WEEK	30HOURS- 15WEEKS	50

SEMESTER III AND IV

PAPER	SEMESTER	CODE& TITLE	UNITS	CLASSES ALLOTTED	TOTAL CLASSES	TOTAL MARKS
III	III	CT 335 (THEORY) ORGANIC CHEMISTRY-II AND GENERAL CHEMISTRY-II	UNIT I AND UNIT II: ORGANIC CHEMISTRY -II	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III AND UNIT IV: GENERAL CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	
III	III	CT 335 P PRACTICALS	INORGANIC CHEMISTRY (QUALITATIVE ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	50
IV	IV	CT 435 (THEORY) INORGANIC CHEMISTRY-II AND PHYSICAL CHEMISTRY-II	UNIT I AND UNIT II: INORGANIC CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III AND UNIT IV: PHYSICAL CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	
IV	IV	CT 435 P PRACTICALS	INORGANIC CHEMISTRY (QUALITATIVE ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	50

CHEMISTRY SYLLABUS (2015-2018)

SEMESTER V

SEMESTER	PAPER	CODE& TITLE	UNITS	CLASSES ALLOTTED	TOTAL CLASSES	TOTAL MARKS
V	V	CT 535 (THEORY) ORGANIC CHEMISTRY-III AND PHYSICAL CHEMISTRY-III	UNIT I AND UNIT II: ORGANIC CHEMISTRY -III	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III: PHYSICAL CHEMISTRY-III	01 HOUR/WEEK	15HOURS- 15WEEKS	
V	VI	CT 535A / <i>CT 535B</i> (THEORY)	ELECTIVE-I PHYSICO CHEMICAL METHODS OF ANALYSIS, MACROMOLECULES, M ATERIAL SCIENCE	03 HOURS/WEEK	45 HOURS- 15WEEKS	100
			ELECTIVE-II ELECTROANALYTICAL TECHNIQUES			
V	V	CT535P PRACTICALS	ORGANIC CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	50
V	VI	CT 535AP PRACTICALS	PHYSICAL CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	50

CHEMISTRY SYLLABUS (2015-2018)

SEMESTER VI

SEMESTER	PAPER	CODE& TITLE	UNITS	CLASSES ALLOTTED	TOTAL CLASSES	TOTAL MARKS
VI	VII	CT 635 (THEORY) INORGANIC CHEMISTRY- III AND PHYSICAL CHEMISTRY-IV	UNIT I AND UNIT II: INORGANIC CHEMISTRY -III	02 HOURS/WEEK	30HOURS- 15WEEKS	100
			UNIT III: PHYSICAL CHEMISTRY-IV	01 HOUR/WEEK	15HOURS- 15WEEKS	
VI	VIII	CT 635A (THEORY)	ELECTIVE-I DRUGS AND FORMULATIONS, PESTICIDES, CATALYSIS AND NUCLEAR CHEMISTRY	03 HOURS/WEEK	45 HOURS- 15WEEKS	100
			ELECTIVE-II BIOMOLECULES			
VI	VII	CT635P PRACTICALS	ORGANIC CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	50
VI	VIII	CT 635AP PRACTICALS	PHYSICAL CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	50