



Bhavan's Vivekananda College

Of Science, Humanities and Commerce

Autonomous College – Affiliated to Osmania University

Accredited with 'A' Grade by NAAC

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CHEMISTRY SYLLABUS (2018-21)

CBCS SYSTEM

CREDITS IN CHEMISTRY

SEM	PAPE R	CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
I	I	CT135	INORGANIC AND GENERAL CHEMISTRY-I	DSC-3A	4T+2P=6	4+1=5
II	II	CT235	PHYSICAL AND ORGANIC CHEMISTRY-I	DSC-3B	4T+2P=6	4+1=5
III	III	CT335	ORGANIC AND GENERAL CHEMISTRY PAPER-II	DSC-3C	4T+2P=6	4+1=5
IV	IV	CT435	INORGANIC AND PHYSICAL CHEMISTRY PAPER-II	DSC-3D	4T+2P=6	4+1=5
V	V	CT535	ORGANIC, PHYSICAL AND GENERAL CHEMISTRY-III	DSC-4E	3T+2P=5	3+1=4
V	VI	CT535A 535B	PHYSICO-CHEMICAL METHODS OF ANALYSIS, SPECTROSCOPY <i>and</i> CATALYSIS/ELECTRO ANALYTICAL TECHNIQUES	DSE-4F	3T+2P=5	3+1=4
VI	VII	CT635	ORGANIC, PHYSICAL AND GENERAL CHEMISTRY-IV	DSC-5E	3T+2P=5	3+1=4
VI	VIII	CT635A	DRUGS, PESTICIDES, MACROMOLECULES	DSE-5F	3T+2P=5	3+1=4
III*	I	SE 335	SAFETY IN CHEMISTRY LABORATORY AND PREPARING LAB REAGENTS	SEC-1	02	02*
IV*	II	SE 435	GREEN METHODS IN CHEMISTRY	SEC-2	02	02*
V*	III	SE 535	BASIC ANALYTICAL CHEMISTRY	SEC-3	02	02*
VI*	IV	SE 635	CHEMINFORMATICS	SEC-4	02	02*
V*	I	GE 535	ORGANIC FARMING	GE-1	02	02*
VI*	II	GE 635	CHEMISTRY OF COSMETICS & PERFUMES	GE-2	02	02*
TOTAL						36+12*

DSC=DISCIPLINE SPECIFIC COURSE

DSE=DISCIPLINE SPECIFIC ELECTIVE

*SEC=SKILL ENHANCEMENT COURSE

* GE=GENERIC ELECTIVE

Prattishay
CHAIRPERSON
BOS in Chemistry
Bhavan's Vivekananda College
Sainikpuri

Ch. Sanada new

CHEMISTRY SYLLABUS (2016-2019)

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 (SEMI MICRO QUALITATIVE ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	25
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 (SEMI MICRO QUALITATIVE ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	25

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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 (QUANTITATIVE ANALYSIS-TITRIMETIC ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	25
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 (QUANTITATIVE ANALYSIS-TITRIMETIC ANALYSIS)	02 HOURS/WEEK	30HOURS- 15WEEKS	25


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SEMESTER V


SEMESTER	PAPER	CODE& TITLE	UNITS	CLASSES ALLOTTED	TOTAL CLASSES	TOTAL MARKS
V	V	CT 535 (THEORY) ORGANIC CHEMISTRY-III , PHYSICAL CHEMISTRY-III AND INORGANIC CHEMISTRY-III	UNIT I :ORGANIC CHEMISTRY -III	01HOURS/WEEK	15HOURS- 15WEEKS	100
			UNIT II: PHYSICAL CHEMISTRY-III	01 HOUR/WEEK	15HOURS- 15WEEKS	
			UNIT III: INORGANIC CHEMISTRY- III	01HOURS/WEEK	15HOURS- 15WEEKS	
V	VI	CT 535A (THEORY)	ELECTIVE-I PHYSICO CHEMICAL METHODS OF ANALYSIS,SPECTROSCOPY AND CATALYSIS	03 HOURS/WEEK	45 HOURS- 15WEEKS	100
			ELECTIVE-II ELECTROANALYTICAL TECHNIQUES			
V	V	CT535P PRACTICALS	ORGANIC CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	25
V	VI	CT 535AP PRACTICALS	PHYSICAL CHEMISTRY-I	02 HOURS/WEEK	30HOURS- 15WEEKS	25

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SEMESTER VI

SEMESTER	PAPER	CODE& TITLE	UNITS	CLASSES ALLOTED	TOTAL CLASSES	TOTAL MARKS
VI	VII	CT 635 (THEORY) ORGANIC CHEMISTRY-IV, PHYSICAL CHEMISTRY-IV AND INORGANIC CHEMISTRY-IV	UNIT I :ORGANIC CHEMISTRY -IV	01 HOURS/WEEK	15HOURS- 15WEEKS	100
			UNIT II: PHYSICAL CHEMISTRY-IV	01 HOUR/WEEK	15HOURS- 15WEEKS	
			UNIT III: INORGANIC CHEMISTRY-IV	01 HOUR/WEEK	15HOURS- 15WEEKS	
VI	VIII	CT 635A (THEORY)	ELECTIVE-I DRUGS, PESTICIDES, MACROMOLECULES	03 HOURS/WEEK	45 HOURS- 15WEEKS	100
			ELECTIVE-II BIOMOLECULES			
VI	VII	CT635P PRACTICALS	ORGANIC CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	25
VI	VIII	CT 635AP PRACTICALS	PHYSICAL CHEMISTRY-II	02 HOURS/WEEK	30HOURS- 15WEEKS	25


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