

V.S.M. COLLEGE (AUTONOMOUS)

RAMACHANDRAPURAM

NAAC Re-accredited with 'B' Grade at 2.69 CGPA

(Affiliated to Adikavi Nannaya University, Rajamahendravaram)



ORGANIC CHEMISTRY

COURSE STRUCTURE

(W.e.f. admitted batch 2019 –20)

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M.Sc. ORGANIC CHEMISTRY PROGRAMME - COURSE STRUCTURE
UNDER SEMESTER SYSTEM 2020 – 21

Semester number	Paper & Title of the paper	Paper code	Instruction hours/week	No. of Credits	Duration of the examination (hours)	Assessment		Total Marks
						(CIA) Internal	(SEE) External	
I	Paper - I: General Chemistry-I	PG1912201	4	4	3	25	75	100
I	Paper - II: Inorganic Chemistry-I	PG1912202	4	4	3	25	75	100
I	Paper - III: Organic Chemistry-I	PG1912203	4	4	3	25	75	100
I	Paper - IV: Physical Chemistry-I	PG1912204	4	4	3	25	75	100
I	Practical: Inorganic Chemistry Practicals-I Lab	PG1912202P	6	3	3	25	75	100
I	Practical: Organic Chemistry Practicals-I Lab	PG1912203P	6	3	3	25	75	100
I	Practical: Physical Chemistry Practicals-I Lab	PG1912204P	6	3	3	25	75	100
II	Paper - V: General Chemistry-II	PG1922205	4	4	3	25	75	100
II	Paper - VI: Inorganic Chemistry-II	PG1922206	4	4	3	25	75	100
II	Paper - VII: Organic Chemistry-II	PG1922207	4	4	3	25	75	100
II	Paper - VIII: Physical Chemistry-II	PG1922208	4	4	3	25	75	100
II	Practical: Inorganic Chemistry Practicals-II Lab	PG1922206P	6	3	3	25	75	100
II	Practical: Organic Chemistry Practicals-II Lab	PG1922207P	6	3	3	25	75	100
II	Practical: Physical Chemistry Practicals-II Lab	PG1922208P	6	3	3	25	75	100

III	Paper - I: Organic Reaction Mechanisms-I and Pericyclic Reactions	PG1932209	4	4	3	25	75	100
III	Paper - II: Organic Spectroscopy-I	PG1932210	4	4	3	25	75	100
III	Paper - III: Organic Synthesis-I	PG1932211	4	4	3	25	75	100
III	Paper - IV: Chemistry of Natural Products	PG1932212	4	4	3	25	75	100
III	Practical: Multistep Synthesis of Organic Compounds Lab	PG1932213P	6	4	3	25	75	100
III	Practical: Estimations and Chromatography Lab	PG1932214P	6	4	3	25	75	100
IV	Paper - V: Organic Reaction Mechanisms-II and Organic Photochemistry	PG1942215	4	4	3	25	75	100
IV	Paper - VI: Organic Spectroscopy-II	PG1942216	4	4	3	25	75	100
IV	Paper - VII: Organic Synthesis-II	PG1942217	4	4	3	25	75	100
IV	Paper - VIII: Bio-organic Chemistry	PG1942218	4	4	3	25	75	100
IV	Practical: Chromatographic Separation and Isolation & Identification of Natural Products Lab	PG1942219P	6	4	3	25	75	100
IV	Practical: Spectral Identification of Organic Compounds (UV, IR, ¹ H-NMR, ¹³ C-NMR and Mass) Lab	PG1942220P	6	4	3	25	75	100
IV	Comprehensive Viva	PG1942221P		2			100	100