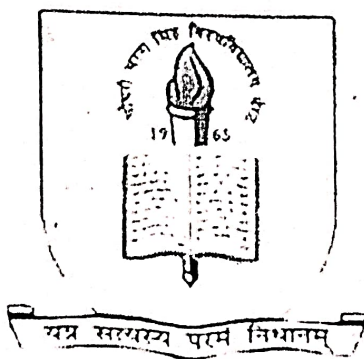


Syllabus
of
M.Sc. Chemistry
With
Specialization in Polymer Science & Chemical Technology
(2019)



Department of Chemistry
Ch. Charan Singh University, Meerut.

2012

2012-2013

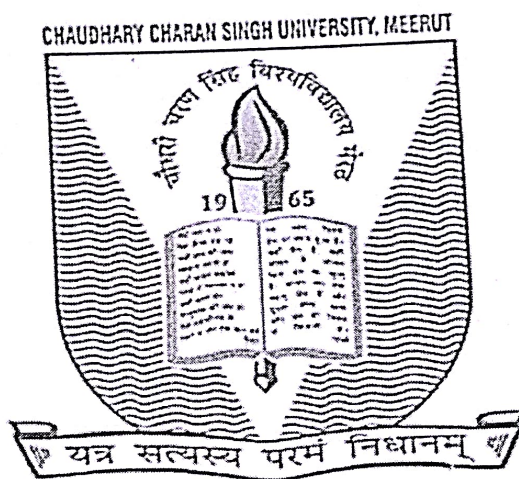
Dr. K. S. Singh

S.No	Paper code	PSCT Paper name	Internal marks	External marks	Total
		First semester			
1	1001	Polymerization	50	50	100
2	1002	Properties of Polymers	50	50	100
3	1003N	Organic Chemistry	50	50	100
4	1004N	Physical Chemistry	50	50	100
5	PSCT-1005	Polymer Practical 1 st semester		100	100
		Second semester			
1	2001	Synthesis and application of polymer	50	50	100
2	2002N	Analytical Techniques	50	50	100
3	2003N	Polymer Processing	50	50	100
4	2004N	Polymer testing and specifications	50	50	100
5	PSCT- 2005	Polymer practical 2 nd semester		100	100
		Third semester			
1	3001	Rubber technology	50	50	100
2	3002	Tyre Technology	50	50	100
3	3003	Polymer blends and composites	50	50	100
4	3004	Fibre Technology	50	50	100
5	PSCT-3005	Polymer practical 3 rd semester		100	100
		Fourth semester			
1		Research Project		600	600

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Chaudhary Charan Singh University, Meerut



Syllabus of: M.Sc. (Biochemistry)

[For fourth and fifth years of Higher education (PG)]

(As per guidelines of U.P. Government according to National Education Policy-2020
w.e.f. the session 2022-2023)

RA

Head
Department of chemistry
C.C.S. University Meerut

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FIRST SEMESTER

I	CPDBC-1111	General Chemistry	Core Compulsory	Theory	50	50	100	05
	CPDBC-1102	Fundamental Genetics and Microbiology	Core Compulsory	Theory	50	50	100	05
	CPDBC-1113	Cytology and Human Physiology	Core Compulsory	Theory	50	50	100	05
	CPDBC-1114	Bioenergetics and Intermediary Metabolism	Core Compulsory	Theory	50	50	100	05
	CH-507	Chemistry Practical	Core Compulsory	Practical	-	100	100	04
		Biochemistry Practical 1	Core Compulsory	Practical	-			
		Biochemistry practical 2	Core Compulsory	Practical	-			

SECOND SEMESTER

II	CPDBC-1121	Plant Biochemistry	Core Compulsory	Theory	50	50		05
	CPDBC-1122	Advanced Enzymology	Core Compulsory	Theory	50	50		05
	CPDBC-1123	Immunology	Core Compulsory	Theory	50	50		05
	CPDBC-1124	Biostatistics and Bioinformatic	Core Compulsory	Theory	50	50		05
		Biochemistry Practical 3	Core Compulsory	Practical	---			100
		Bioinformatics and Biostatistics Practical	Core Compulsory	Practical				
								04

THIRD SEMESTER

III	CPDBC-1131	Bioprocess Engineering and Fermentation Technology	Core Compulsory	Theory	50	50		05
	CPDBC-1132	Molecular Biology	Core Compulsory	Theory	50	50		05
	CPDBC-1133	Clinical Biochemistry	Core Compulsory	Theory	50	50		05
	CPDBC-1134	Biophysics and Biochemical Technology	Core Compulsory	Theory	50	50		05
		Biochemistry Practical 4	Core Compulsory	Practical	-	100	100	04
		Biochemistry Practical 5	Core Compulsory	Practical				
		15 days Instrumentation Training	Core Compulsory	Practical				

Fourth Semester

IV	CPDBC-PR	Six Month Project	Core Compulsory	Practical	-	-	600	25
	CVPDBC-1115	Medicinal Biochemistry	Value Added	Theory				03