



MANAV RACHNA UNIVERSITY
DEPARTMENT OF CHEMISTRY
M.SC (CHP01)
SCHEME-A (Effective from July 2016)

SEMESTER-1

SUBJECT CODES	SUBJECT NAME	OFFERING DEPARTMENT	COURSE NATURE (Hard/Soft/NTCC)	COURSE TYPE (Core/Elective etc)	L	T	P	O	CONTACT HOURS PER WEEK	NO. OF CREDITS
CHH501	INORGANIC CHEMISTRY-I	CH	Hard	CORE	4	0	0	0	4	4
CHH502	ORGANIC CHEMISTRY-I	CH	Hard	CORE	4	0	0	0	4	4
CHH503	PHYSICAL CHEMISTRY-I	CH	Hard	CORE	4	0	0	0	4	4
CHH504	ANALYTICAL CHEMISTRY	CH	Hard	CORE	4	0	0	0	4	4
CHH505	LABORATORY WORK-I	CH	Hard	CORE	0	0	8	0	8	4
CHW506	WORKSHOP	CH	Hard	CORE	0	0	3	0	3	2
PHS-501	RESEARCH METHODOLOGY	CH	Hard	CORE	1	0	2	0	3	2
Total (L-T-P-O/Contact Hours/Credits)					17	0	13	0	30	24

SEMESTER - 2

SUBJECT CODES	SUBJECT NAME	OFFERING DEPARTMENT	*COURSE NATURE	COURSE TYPE	L	T	P	O	CONTACT HOURS PER	NO. OF CREDITS
CHH508	INORGANIC CHEMISTRY-II	CH	Hard	CORE	4	0	0	0	4	4
CHH509	ORGANIC CHEMISTRY-II	CH	Hard	CORE	4	0	0	0	4	4
CHH510	PHYSICAL CHEMISTRY-II	CH	Hard	CORE	4	0	0	0	4	4
CHH511	SPECTROSCOPY	CH	Hard	CORE	4	0	0	0	4	4
CHH512	LABORATORY WORK-II	CH	Hard	CORE	0	0	8	0	8	4
CHW513	WORKSHOP	CH	Hard	CORE	0	0	3	0	3	2
MES 515	RESEARCH PAPER WRITING	CH	Hard	CORE	1	0	2	0	3	2
CHW514	SUMMER TRAINING	CH	Hard	CORE	-	-	-	-	-	3
Total (L-T-P-O/Contact Hours/Credits)					17	0	13	0	30	27

SEMESTER - 3 (ORGANIC CHEMISTRY)

SUBJECT CODES	SUBJECT NAME	OFFERING DEPARTMENT	*COURSE NATURE	COURSE TYPE	L	T	P	O	CONTACT HOURS PER	NO. OF CREDITS
CHH615	CONFORMATIONAL ANALYSIS, ASYMMETRIC SYNTHESIS & BIOMOLECULES	CH	Hard	CORE	4	0	0	0	4	4
CHH616	MODERN ORGANIC SYNTHESIS (REAGENTS & SYNTHETIC TECHNIQUES)	CH	Hard	CORE	4	0	0	0	4	4
CHH617 CHH618	ELECTIVE-I A. BIOINORGANIC CHEMISTRY &	CH	Hard	CORE	4	0	0	0	4	4

CHH619	PHOTOCHEMISTRY & PERICYLIC REACTIONS	CH	Hard	CORE	4	0	0	0	4	4
CHH620	LABORATORY WORK-III	CH	Hard	CORE	0	0	6	0	6	3
CHH621	LABORATORY WORK-IV –O	CH	Hard	CORE	0	0	6	0	6	3
CHN622	SEMINAR	CH	Hard	CORE	0	0	0	2	2	2
Total (L-T-P-O/Contact Hours/Credits)					16	0	12	2	30	24

SEMESTER - 4 (ORGANIC CHEMISTRY)

SUBJECT CODES	SUBJECT NAME	OFFERING DEPARTMENT	*COURSE NATURE	COURSE TYPE	L	T	P	O	CONTACT HOURS PER	NO. OF CREDITS
CHH634	ADVANCED HETEROCYCLIC CHEMISTRY	CH	Hard	CORE	4	0	0	0	4	4
CHH635	CHEMISTRY OF NATURAL PRODUCTS	CH	Hard	CORE	4	0	0	0	4	4
CHH625 CHH626	ELECTIVE-II (A) BIOORGANIC CHEMISTRY	CH	Hard	CORE	4	0	0	0	4	4
CHH627	LABORATORY WORK-V -O	CH	Hard	CORE	4	0	0	0	4	4
CHH628	MAJOR PROJECT	CH	Hard	CORE	0	0	6	0	6	3
Total (L-T-P-O/Contact Hours/Credits)					16	0	6	0	22	19
TOTAL		CH	Hard	CORE						96