

MANAV RACHNA UNIVERSITY										
DEPARTMENT OF MATHEMATICS										
B.Sc. (Hons.) Mathematics (MAU01) (2018-21)										
SEMESTER - 1										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH113-T	ESSENTIALS OF MATHEMATICS	MA	HARD	CORE	3	1	0	0	4	4
MAH113-P	ESSENTIALS OF MATHEMATICS LAB				0	0	2	0	2	1
PHH107-T	ESSENTIALS OF PHYSICS	PH	HARD	CORE	3	1	0	0	4	4
PHH107-P	ESSENTIALS OF PHYSICS LAB				0	0	2	0	2	1
CHH101-T	GREEN CHEMISTRY	CH	HARD	CORE	3	1	0	0	4	4
CHH101-P	GREEN CHEMISTRY LAB				0	0	2	0	2	1
CSH101-T	STRUCTURED PROGRAMMING	CS	HARD	CORE	3	1	0	0	4	4
CSH101-P	STRUCTURED PROGRAMMING LAB				0	0	2	0	2	1
HLS101	BUSINESS ENGLISH	HL	SOFT	CORE	1	0	2	0	3	2
CSW151	COMPUTING WORKSHOP	CS	WORKSHOP	CORE	0	0	3	0	3	1.5
CHH137	ENVIRONMENTAL SCIENCE	CH	HARD	UNIVERSITY COMPULSORY	2	0	0	2	2	4
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					15	4	13	2	32	27.5
SEMESTER - 2										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH115-T	ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH115-P	ALGEBRA LAB				0	0	2	0	2	1
MAH116-T	CALCULUS-I	MA	HARD	CORE	3	1	0	0	4	4
MAH116-P	CALCULUS-I LAB				0	0	2	0	2	1
CHH108-T	ESSENTIALS OF CHEMISTRY	CH	HARD	CORE	3	1	0	0	4	4
CHH108-P	ESSENTIALS OF CHEMISTRY LAB				0	0	2	0	2	1
PHH108-T	MODERN PHYSICS	PH	HARD	CORE	3	1	0	0	4	4
PHH108-P	MODERN PHYSICS LAB				0	0	2	0	2	1
HLS102	COMMUNICATIVE ENGLISH	HL	SOFT	CORE	1	0	2	0	3	2
MAW119	STATISTICS USING EXCEL	MA	WORKSHOP	CORE	0	0	3	0	3	1.5
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					13	4	13	0	30	23.5
MAO120 SUMMER TRAINING POST 2nd SEMESTER										
										3
SEMESTER - 3										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH221-T	REAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH221-P	REAL ANALYSIS LAB				0	0	2	0	2	1
MAH222-T	CALCULUS-II	MA	HARD	CORE	3	1	0	0	4	4
MAH222-P	CALCULUS-II LAB				0	0	2	0	2	1
MAH223-T	DIFFERENTIAL EQUATIONS & MM I	MA	HARD	CORE	3	1	0	0	4	4
MAH223-P	DIFFERENTIAL EQUATIONS & MM I LAB				0	0	2	0	2	1
MAH224-T	GEOMETRY OF TWO AND THREE DIMENSIONS	MA	HARD	CORE	3	1	0	0	4	4
MAH224-P	GEOMETRY OF TWO AND THREE DIMENSIONS				0	0	2	0	2	1
EDS288	APPLIED PHILOSOPHY	HL	SOFT	ELECTIVE	1	0	2	0	3	2
EDS289	APPLIED PSYCHOLOGY									
EDS290	APPLIED SOCIOLOGY									
MCS231	BASICS OF ECONOMICS	MC	SOFT	ELECTIVE	1	0	2	0	3	2
MCS232	INTRODUCTION TO FINANCE									
MAW225	LaTeX	MA	WORKSHOP	CORE	0	0	3	0	3	1.5
FLS103	FRENCH - I	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	0
FLS101	SPANISH - I									
FLS102	GERMAN -I									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					15	5	15	0	35	25.5
SEMESTER - 4										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH226-T	ADVANCED ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH226-P	ADVANCED ANALYSIS LAB				0	0	2	0	2	1
MAH227-T	GROUP THEORY	MA	HARD	CORE	3	1	0	0	4	4
MAH227-P	GROUP THEORY LAB				0	0	2	0	2	1
MAH228-T	DIFFERENTIAL EQUATIONS & MM II	MA	HARD	CORE	3	1	0	0	4	4
MAH228-P	DIFFERENTIAL EQUATIONS & MM II LAB				0	0	2	0	2	1

MAH229-T	PROBABILITY & MATHEMATICAL STATISTICS	MA	HARD	CORE	3	1	0	0	4	4
MAH229-P	PROBABILITY & MATHEMATICAL STATISTICS LAB				0	0	2	0	2	1
MAS230	QUANTITATIVE APTITUDE	MA	SOFT	CORE	1	0	2	0	3	2
CHS234	ENVIRONMENTAL ETHICS AND SUSTAINABLE DEVELOPMENT	CH	SOFT	ELECTIVE	1	0	2	0	3	2
ECS249	E-WASTE MANAGEMENT	EC								
MAW231	SPSS	MA	WORKSHOP	CORE	0	0	3	0	3	1.5
<b>TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)</b>					<b>14</b>	<b>4</b>	<b>15</b>	<b>0</b>	<b>33</b>	<b>25.5</b>
MAO232	SUMMER TRAINING POST 4TH SEMESTER									3
<b>SEMESTER - 5</b>										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH333-T	RING THEORY	MA	HARD	CORE	3	1	0	0	4	4
MAH333-P	RING THEORY LAB				0	0	2	0	2	1
MAH334-T	NUMERICAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH334-P	NUMERICAL ANALYSIS LAB				0	0	2	1	2	2
MAH335-T	MECHANICS-I	MA	HARD	ELECTIVE (ANY TWO)	3	1	0	0	4	10
MAH335-P	MECHANICS-I LAB				0	0	2	0	2	
MAH336-T	NUMBER THEORY				3	1	0	0	4	
MAH336-P	NUMBER THEORY LAB				0	0	2	0	2	
MAH337-T	DISCRETE MATHEMATICS				3	1	0	0	4	
MAH337-P	DISCRETE MATHEMATICS LAB				0	0	2	0	2	
MAN338	SEMINAR				MA	NTCC	CORE	0	0	
<b>TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)</b>					<b>10-12</b>	<b>2-4</b>	<b>4,6 or 8</b>	<b>2</b>	<b>24-26</b>	<b>22</b>
<b>SEMESTER - 6</b>										
SUBJECT CODES	SUBJECT NAME	**OFFERING DEPARTMENT	*COURSE NATURE (Hard/Soft/Workshop/NTCC)	COURSE TYPE (Core/Elective / University Compulsory)	L	T	P	O	NO. OF CONTACT HOURS PER WEEK	NO. OF CREDITS
MAH339-T	LINEAR ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH339-P	LINEAR ALGEBRA LAB				0	0	2	0	2	1
MAH340-T	METRIC SPACES	MA	HARD	CORE	3	1	0	0	4	4
MAH340-P	METRIC SPACES LAB				0	0	2	0	2	1
MAH341-T	INTEGRAL TRANSFORMS & APPLICATION	MA	HARD	ELECTIVE (ANY ONE)	3	1	0	0	4	5
MAH341-P	INTEGRAL TRANSFORMS & APPLICATION LAB				0	0	2	0	2	
MAH342-T	LINEAR PROGRAMMING & GAME THEORY				3	1	0	0	4	
MAH342-P	LINEAR PROGRAMMING & GAME THEORY LAB				0	0	2	0	2	
MAH343-T	MECHANICS-II				3	1	0	0	4	
MAH343-P	MECHANICS-II LAB				0	0	2	0	2	
MAN343	PROJECT	MA	NTCC	CORE	0	0	0	5	5	5
<b>TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)</b>					<b>9</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>23</b>	<b>20</b>
<b>GRAND TOTAL OF CREDITS</b>										<b>150</b>