

MANAV RACHNA UNIVERSITY										
DEPARTMENT OF MATHEMATICS										
B.Sc. (Hons.) Mathematics (MAU01)										
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
MAH108B	CALCULUS-I	MA	HARD	CORE	3	1	0	0	4	4
MAH111B	STATISTICS - I	MA	HARD	CORE	3	1	0	0	4	4
CSH105B - T	PROGRAMMING FOR PROBLEM SOLVING USING C	CS	HARD	CORE	2	1	0	0	5	4
CSH105B - P	PROGRAMMING FOR PROBLEM SOLVING USING C LAB				0	0	2	0		
PHH106B -T	ESSENTIALS OF PHYSICS	PH	HARD	CORE	3	1	0	0	6	5
PHH106B -P	ESSENTIALS OF PHYSICS LAB				0	0	2	0		
MAH109B	MATHS LAB - I	MA	HARD	CORE	0	0	2	0	2	1
HLS102	COMMUNICATIVE ENGLISH	HL	SOFT	CORE	1	0	2	0	3	2
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					12	4	8	0	24	20
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
MAH115B	CALCULUS-II	MA	HARD	CORE	3	1	0	0	4	4
MAH107B	ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH205B	STATISTICS - II	MA	HARD	CORE	3	1	0	0	4	4
MAH112B	ORDINARY DIFFERENTIAL EQUATIONS	MA	HARD	CORE	3	1	0	0	4	4
MAH114B	MATH LAB - II	MA	HARD	CORE	0	0	2	0	2	1
CHH137	ENVIRONMENTAL SCIENCE	CH	HARD	UNIVERSITY COMPULSORY	2	0	0	2	2	4
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					14	4	2	2	20	21
MAO116B	VALUE ADDED SUMMER COURSE - POST 2nd SEMESTER								2 week: 60 hrs	2
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
MAH204B	REAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH113B	GEOMETRY OF TWO AND THREE DIMENSIONS	MA	HARD	CORE	3	1	0	0	4	4
MAH206B	GROUP THEORY	MA	HARD	CORE	3	1	0	0	4	4
MAH207B	PARTIAL DIFFERENTIAL EQUATIONS	MA	HARD	CORE	3	1	0	0	4	4
MAH208B	MATH LAB - III	MA	HARD	CORE	0	0	2	0	2	1
EDS288/ EDS289/ EDS290/ MCS231/ MCS232/ CDO203/ MAN209B	APPLIED PHILOSOPHY/ APPLIED PSYCHOLOGY/APPLIED SOCIOLOGY/ BASICS OF ECONOMICS/ INTRODUCTION TO FINANCE/ QUANTITATIVE APTITUDE - I/ MINI PROJECT -I	ED/MC/ CDC/MA	SOFT/ NTCC	ELECTIVE (ANY ONE)	1	0	2	0	3	2
FLS103	FRENCH - I	MRCFL	SOFT	UNIVERSITY COMPULSORY	1	1	0	0	2	2
FLS101	SPANISH - I									
FLS102	GERMAN - I									
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					14	5	4	0	23	21
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
MAH210B	ADVANCED ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH211B	ADVANCED ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH212B	MECHANICS-I	MA	HARD	CORE	3	1	0	0	4	4
MAH213B	INTEGRAL TRANSFORMS & APPLICATION	MA	HARD	CORE	3	1	0	0	4	4
MAH214B	SET & NUMBER THEORY	MA	HARD	ELECTIVE (ANY ONE)	3	1	0	0	4	4
CSH210B -T	DATA STRUCTURES	CS			3	0	0	0	5	
CSH210B -P	DATA STRUCTURES LAB				0	0	2	0		
MAH215B	ACTUARIAL STATISTICS	MA			3	1	0	0	4	
MAH216B	SURVEY SAMPLING & INDIAN OFFICIAL STATS	MA			3	1	0	0	4	
CHS234/ ECS306B/ CDO204/LWS323/ MAN218B	ESD/ E-WASTE/ QUANTITATIVE APTITUDE-II/ CYBER LAWS/ MINI PROJECT-II	CH/EC/ CDC /LW/MA	SOFT/ NTCC	ELECTIVE (ANY ONE)	1	0	2	0	3	2
CDO205	CAREER SKILLS - I	CDC	SOFT	AP/ AF	3	0	0	0	2	0
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					17	4 OR 5	2 OR 4	0	25 OR 26	22

SEMESTER - 5										
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
MAH301B	NUMERICAL ANALYSIS	MA	HARD	CORE	3	1	0	0	4	4
MAH302B	LINEAR ALGEBRA	MA	HARD	CORE	3	1	0	0	4	4
MAH303B	METRIC SPACES	MA	HARD	CORE	3	1	0	0	4	4
MAH304B	INFORMATION THEORY & CODING	MA	HARD	ELECTIVE (ANY ONE)	3	1	0	0	4	4
CSH321B-T	INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS	CS			3	0	0	0	5	
CSH321B-P	INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS LAB				0	0	2	0		
MAH305B	MATHEMATICS OF FINANCE	MA			3	1	0	0	4	
MAH306B	STATISTICAL INFERENCE	MA	3	1	0	0	4			
MAH307B	MATH LAB - IV	MA	HARD	CORE	0	0	2	0	2	1
CDO303	CAREER SKILLS - II	CDC	SOFT	AP/ AF	3	0	0	0	2	0
MAN308B	MINOR PROJECT	MA	NTCC	CORE	0	0	0	2	2	2
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					14	3 OR 4	4 OR 6	2	22 OR 23	19
SEMESTER - 6										
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
MAH309B	LINEAR PROGRAMMING & GAME THEORY	MA	HARD	ELECTIVE (ANY TWO)	3	1	0	0	8	8
MAH310B	MECHANICS-II									
MAH311B	DISCRETE MATHEMATICS									
MAH312B	MATHEMATICAL MODELING									
MAH313B	APPLICATIONS OF ALGEBRA									
MAH314B	INDUSTRIAL MATHEMATICS									
MAH315B	BIO MATHS									
MAH316B	CRYPTOGRAPHY	MA	HARD	ELECTIVE (ANY ONE)	3	1	0	0	4	4
CSE322B-T	FUNDAMENTALS OF MACHINE LEARNING	CS			3	0	0	0	5	
CSE322B -P	FUNDAMENTALS OF MACHINE LEARNING LAB				0	0	2	0		
MCH393	MANAGEMENT OF BANKING & INSURANCE	MC			3	1	0	0	4	
MAH317B	ECONOMETRICS	MA	3	1	0	0	4			
MCH109	ENTREPRENEURSHIP THEORY & PRACTICE	MC	3	1	0	0	4			
MAN318B	PROJECT	MA	NTCC	CORE	0	0	0	6	2	6
CDO305	CAREER SKILLS - III	CDC	SOFT	AP/ AF	3	0	0	0	2	0
TOTAL (L-T-P-O/CONTACT HOURS/CREDITS)					10	2 OR 3	0 OR 2	6	16 OR 17	18
									GRAND TOTAL OF CREDITS	123