

U P TECHNICAL UNIVERSITY, LUCKNOW

STUDY AND EVALUATION SCHEME

MCA (Master of Computer Applications)

(Effective from session 2013-14)

YEAR-I SEMESTER-I

Sl. No	COURSE CODE	SUBJECT	PERIODS			EVALUATION SCHEME				
						SESSIONAL EXAM			ESE	SUBJET TOTAL
			L	T	P	CT	TA	Total		
1	NAS-104	Professional Communication	3	1	0	30	20	50	100	150
2	NMCA-112	Accounting and Financial Management	3	1	0	30	20	50	100	150
3	NMCA-113	Computer Concepts and Programming	3	1	0	30	20	50	100	150
4	NMCA-114	Discrete Mathematics	3	1	0	30	20	50	100	150
5	NMCA-115	Digital Logic Design	3	1	0	30	20	50	100	150
PRACTICALS										
6	NMCA-151	Programing Lab	0	0	3	30	20	50	50	100
7	NAS-154	Professional Communication Lab	0	0	3	30	20	50	50	100
8	NGP-101	General Proficiency	0	0	0	-	-	50	-	50
TOTAL			15	5	6					1000

YEAR-I SEMESTER-II

Sl. No	COURSE CODE	SUBJECT	PERIODS			EVALUATION SCHEME				
						SESSIONAL EXAM			ESE	SUBJET TOTAL
			L	T	P	CT	TA	Total		
1	NAS105/ NAS 205	Environment and Ecology	3	1	0	30	20	50	100	150
2	NMCA-212	Computer based Numerical and Statistical Techniques	3	1	0	30	20	50	100	150
3	NMCA-213	Data Structure Using 'C'	3	1	0	30	20	50	100	150
4	NMCA-214	Introduction to Automata Theory and Languages	3	1	0	30	20	50	100	150
5	NMCA-215	Computer Organization	3	1	0	30	20	50	100	150
PRACTICALS										
6	NMCA-251	Data Structures Lab	0	0	3	30	20	50	50	100
7	NMCA-252	Computer Based Numerical and Statistical Techniques Lab	0	0	3	30	20	50	50	100
8	NGP-201	General Proficiency	0	0	0	-	-	50	-	50
TOTAL			15	5	6					1000

U.P. TECHNICAL UNIVERSITY, LUCKNOW
STUDY AND EVALUATION SCHEME
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(Effective from Session 2014-15)
YEAR II, SEMESTER –III

S. No.	COURSE CODE	SUBJECT	PERIODS			EVALUATION SCHEME				
						SESSIONAL EXAM			ESE	Subject Total
			L	T	P	CT	TA	Total		
1.	NMCA-311	Operating Systems	3	1	0	30	20	50	100	150
2.	NMCA-312	Design & Analysis of Algorithms	3	1	0	30	20	50	100	150
3.	NMCA-313	Database Management System	3	1	0	30	20	50	100	150
4.	NMCA-314	Internet & Java Programming	3	1	0	30	20	50	100	150
5.	NMCA-315	Computer Based Optimization Techniques	3	1	0	30	20	50	100	150
6	NCS XXX	Information Security and Cyber Laws								
PARCTICALS										
6.	NMCA-351	DBMS Lab	0	0	3	30	20	50	50	100
7.	NMCA-352	Java Programming Lab	0	0	3	30	20	50	50	100
8.	NGP-301	General Proficiency	0	0	0	-	-	50	-	50
		Total	15	5	6	-	-	-	-	1000

YEAR-II SEMESTER-IV

S. No.	COURSE CODE	SUBJECT	PERIODS			EVALUATION SCHEME				
						SESSIONAL EXAM			ESE	Subject Total
			L	T	P	CT	TA	Total		
1	NMCA-411	Management Information Systems	3	1	0	30	20	50	100	150
2	NMCA-412	Web Technology	3	1	0	30	20	50	100	150
3	Elective-I		3	1	0	30	20	50	100	150
4	NMCA-413	Artificial Intelligence	3	1	0	30	20	50	100	150
5	NMCA-414	Mobile Computing	3	1	0	30	20	50	100	150
PRACTICALS										
6	NMCA-451	Web Technology Lab	0	0	3	30	20	50	50	100
7	NMCA-452	Mini Project	0	0	3	30	20	50	50	100
8	NGP-401	General Proficiency	0	0	0	-	-	50	-	50
		Total	15	5	6					1000

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Year-III, Semester V

SNo	Subject Code	Subject	Period	Evaluation Scheme				Total
				Sessional			Exam	
				CT	TA	Total		
1	NMCA-511	Computer Network	3-1-0	30	20	50	100	150
2	MCA-Elective-II		3-1-0	30	20	50	100	150
3	NMCA-512	Software Engineering	3-1-0	30	20	50	100	150
4	MCA-Elective-III		3-1-0	30	20	50	100	150
5	MCA-Elective-IV		3-1-0	30	20	50	100	150
Practicals / Training /Projects								
6	NMCA-551	Computer Network Lab	0-0-3	30	20	50	50	100
7	NMCA-552	Project Based On Software Engineering	0-0-3	30	20	50	50	100
8	NGP-501	General Proficiency	-	-	-	-	-	50

Year-III, Semester VI

SNo	Subject Code	Subject	Period	Evaluation Scheme				Total
				Sessional			Exam	
				CT	TA	Total		
1	NMCA-611	Colloquium	0-0-2	-	200	200	-	200
2	NMCA-612	Project	0-0-24	-	300	300	500	800

List of Electives for MCA

MCA-Elective-I

NMCAE 11	Compiler Design
NMCAE 12	Client Server Computing
NMCAE 13	Data Warehousing & Mining
NMCAE 14	Advance Computer Architecture
NMCAE 15	Distributed system

MCA-Elective-II

NMCAE 21	Dot Net Framework & C#
NMCAE 22	Network Security & Cryptography
NMCAE 23	Neural Network
NMCAE 24	Pattern Recognition
NMCAE 25	Cloud Computing

MCA-Elective-III

NMCAE 31	Image Processing
NMCAE 32	Simulation & Modeling
NMCAE 33	Software Project Management
NMCAE 34	Real Time Systems

MCA-Elective-IV

NMCAE 41	Advanced Database Management Systems
NMCAE 42	Information Storage & Management
NMCAE 43	Software Testing
NMCAE 44	Big Data