

23-11-2014

COURSE STRUCTURE

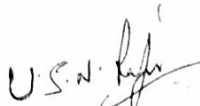
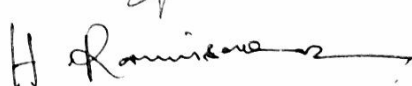
Master of Computer Applications

..I.. Year

..I..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA101	C Programming and Data Structures	5	-	-	4	40	60	100
2.	MCA102	Digital Logic and Computer Organization	5	-	-	4	40	60	100
3.	MCA103	Discrete Mathematical Structures and Graph Theory	5	-	-	4	40	60	100
4.	MCA104	Probability and Statistical Applications	5	-	-	4	40	60	100
5.	MCA105	Accounting and Financial Management	5	-	-	4	40	60	100
6.	MCA106	English Language Communication Skills Lab	-	3	-	2	50	50	100
7.	MCA107	C Programming and Data Structures Lab	-	3	-	2	50	50	100
8.	MCA108	Digital Logic and Computer Organization Lab		3	-	2	50	50	100
Total			25	9		26	350	450	800

T- THEORY P- PRACTICAL D- DRAWING C - CREDITS Int. - INTERNAL Ext. - EXTERNAL

COURSE STRUCTURE

Master of Computer Applications

..I.. Year

..II..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA201	Object Oriented Programming with C++	5	-	-	4	40	60	100
2.	MCA202	UNIX & Network Programming	5	-	-	4	40	60	100
3.	MCA203	Operating Systems	5	-	-	4	40	60	100
4.	MCA204	Computer Networks	5	-	-	4	40	60	100
5.	MCA205	File Structure	5	-	-	4	40	60	100
6.	MCA206	Object Oriented Programming using C++ Lab	-	3	-	2	50	50	100
7.	MCA207	UNIX & Network Programming Lab	-	3	-	2	50	50	100
		Total	25	6		24	300	400	700

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U.S.N. Raj
H. Ramisasa

COURSE STRUCTURE

Master of Computer Applications

..II.. Year

..III..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA301	Java Programming	5	-	-	4	40	60	100
2.	MCA302	Data Base Management Systems	5	-	-	4	40	60	100
3.	MCA303	Intellectual Property Rights & Professional Ethics	5	-	-	4	40	60	100
4.	MCA304	Computer Graphics & Vision	5	-	-	4	40	60	100
5.	MCA305	Design & Analysis of Algorithms	5	-	-	4	40	60	100
6.	MCA306	Java Programming Lab	-	3	-	2	50	50	100
7.	MCA307	Data Base Management Systems Lab	-	3	-	2	50	50	100
		Total	25	6		24	300	400	700

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U.S.N. Singh

H. Ramisore

COURSE STRUCTURE

Master of Computer Applications

..II.. Year

..IV..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA401	Web Technologies	5	-	-	4	40	60	100
2.	MCA402	Software Engineering	5	-	-	4	40	60	100
3.	MCA403	Data Warehousing & Data Mining	5	-	-	4	40	60	100
4.		Elective - 1	5	-	-	4	40	60	100
5.		Elective - 2	5	-	-	4	40	60	100
6.	MCA410	Data Warehousing & Data Mining Lab	-	3	-	2	50	50	100
7.	MCA411	Web Technologies Lab	-	3	-	2	50	50	100
8.	MCA412	Mini Project		2		2	50		50
MCA403 TOTAL			25	8		26	350	400	750

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LIST OF ELECTIVES

Department Elective 1:

- a) Human Computer Interaction (MCA404)
- b) Cloud Computing (MCA405)
- c) ERP & Supply Chain Management (MCA406)

Department Elective 2:

- a) Information Storage & Management (MCA407)
- b) Artificial Intelligence & Neural Networks (MCA408)
- c) Software Testing Methodologies (MCA409)

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H. Ramisane

COURSE STRUCTURE

Master of Computer Applications

..III.. Year						..V..Semester			
S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA501	Cryptography & Network Security	5	-	-	4	40	60	100
2.	MCA502	OOAD through UML	5	-	-	4	40	60	100
3.	MCA503	Visual Programming	5	-	-	4	40	60	100
4.		Elective - 3	5	-	-	4	40	60	100
5.		Elective - 4	5	-	-	4	40	60	100
6.	MCA510	OOAD through UML Lab	-	3	-	2	50	50	100
7.	MCA511	Visual Programming Lab	-	3	-	2	50	50	100
Total			25	6		24	300	400	700

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LIST OF ELECTIVES

Department Elective 3:

- a) E-Commerce (MCA504)
- b) Software Design Methodologies (MCA505)
- c) Design Patterns (MCA506)

Department Elective 4:

- a) Mobile Application Development (MCA507)
- b) Software Project Management (MCA508)
- c) Data Sciences (MCA509)

U.S.N. Singh

H. Ramesh

COURSE STRUCTURE

Master of Computer Applications

..III.. Year

..VI..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA601	Seminar	2	-	-	2	50	-	50
2.	MCA602	Dissertation / Thesis / VivaVoce	-	8	-	10	-	150	150
		Total	2	8		12	50	150	200

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U.S. Singh

H. Anisara