

COURSE STRUCTURE M. C. A. (572)

As per U.G.C. norms Choice Based Credit System is implemented from the academic year 2015-16
Details are available with the department.

M. C. A. (572) SEM I

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA241 01	Advanced C programming and Data Structure	Core	3	-	40	60	-	-	100
2	MCA241 02	Green Computing	DSC	3	-	40	60	-	-	100
3	MCA241 03	Discrete Mathematics	Core	3	-	40	60	-	-	100
4	MCA241 04	Advanced Linux & Shell Programming	DSC	3	-	40	60	-	-	100
5	MCA241 05	Software Engineering	DSC	3	-	40	60	-	-	100
6	MCA24 106	Research Methodology	DSC	4	-	40	60	-	-	100
7	MCA24 107	MOOC - I	MOOC	1	-	50	-	-	-	50
8	MCA24 108	Advanced C programming and Data Structure (PR)	Core-LAB	-	1	-	-	20	30	50
9	MCA24 109	Advanced Linux & Shell Programming (PR)	DSC-LAB	-	1	-	-	20	30	50
Total Courses 9				22		290	360	40	60	750

Programme Details



Semester - II

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA24201	CTIT (Cyber Security + Intro. Block Chain)	Core	3	-	40	60	-	-	100
2	MCA24202	Advanced Computer Network	DSC	3	-	40	60	-	-	100
3	MCA24209	Full Stack Development	DSC	3	-	40	60	-	-	100
4	MCA24204	Project	Core	-	4	-	-	100	-	100
5	MCA24205	Internship	OJT	-	4	-	-	100	-	100
6	MCA24206	MOOC - II	MOOC	2	-	50	-	-	-	50
7	MIKS25	Indian Knowledge System - Generic	IKS	2	-	50	-	-	-	50
8	MCA24210	Full Stack Development (PR)	DSC-LAB	-	1	-	-	20	30	50
Total Courses 8				22		220	180	220	30	650

Programme Details



Semester - III

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA243 01	Data Mining & KDD	Core	3	-	40	60	-	-	100
2	MCA243 02	Data Analytics using Python	DSE	3	-	40	60	-	-	100
	OR	OR								
	MCA243 03	Cloud Computing								
3	MCA243 04	Web Application Development using .net	DSE	3	-	40	60	-	-	100
	OR	OR								
	MCA243 14	Django Web Framework								
4	MCA243 06	Software Testing and Tools	DSC	2	-	20	30	-	-	50
5	MCA243 07	Cryptography and Network Security	DSC	3	-	40	60	-	-	100
6	MCA243 08	Research Project	Research Project	-	4	-	-	100	-	100
7	MCA243 09	Data Analytics using Python (PR)	DSE-Lab	-	1	-	-	20	30	50
	OR	OR								
	MCA243 10	Cloud Computing (PR)								
8	MCA243 11	Web Application Development using .net (PR)	DSE-Lab	-	1	-	-	20	30	50
	OR	OR								
	MCA243 15	Django Web Frameworkt (PR)								
9	MCA243 13	Indian Knowledge System - Computer Science	DSC	2	-	50	-	-	-	50
Total Courses 9				22		230	270	140	60	700

Programme Details



Semester - IV

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA244 01	Artificial Intelligence	Core	3	-	40	60	-	-	100
2	MCA244 02	Software Project Management	DSC	4	-	40	60	-	-	100
3	MCA244 03	Research Paper	Research Paper	2	-	50	-	-	-	50
4	MCA244 04	Internship	OJT	-	6	-	-	200	-	200
5	MCA244 05	Research Project	Research Project	-	6	-	-	80	120	200
6	MCA24 406	Artificial intelligence (PR)	Core-Lab	-	1	-	-	20	30	50
Total Courses 6				22		130	120	300	150	700