

# Master of Computer Applications (M.C.A.)

## Three-Year Programme

### Academic Curriculum (2009 – 10 onwards)

#### Second Year

Autumn Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
			CA 601	Data Base Management Systems	3		0	0	3	3
CA 603	Design and Analysis of Algorithms	3	1	0	4	3	10	40	50	
MA 605	Optimization Techniques	3	1	0	4	3	10	40	50	
CA 605	Computer Communications Networks	3	1	0	4	3	10	40	50	
	Elective I	3	0	0	3	3	10	40	50	
CA 621	Data Base Management Systems Laboratory	0	0	4	2	4	20	40	40	
CA 623	Computer Communications Network Laboratory	0	0	4	2	4	20	40	40	
<b>Sub Total</b>		<b>15</b>	<b>3</b>	<b>8</b>	<b>22</b>					
GE 203	Proficiency (Non Credit) †	-	-	-	1					

Spring Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
			CA 602	Network Programming	3		1	0	4	3
MA 602	Modeling and Simulation	3	1	0	4	3	10	40	50	
MT 602	Organizational Behavior	3	0	0	3	3	10	40	50	
CA 604	Software Engineering	3	1	0	4	3	10	40	50	
	Elective II	3	0	0	3	3	10	40	50	
CA 622	Network Programming Laboratory	0	0	4	2	4	20	40	40	
CA 624	OOP's in Java Laboratory	0	0	4	2	4	20	40	40	
<b>Sub Total</b>		<b>15</b>	<b>3</b>	<b>8</b>	<b>22</b>					
GE 204	Proficiency (Non Credit) †	-	-	-	1					