

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

MCA DEPARTMENT

MCA COURSE STRUCTURE (Regular) (2016 – 17)

I MCA- I Semester

S. No.	Course Code	Subject	Scheme of Instruction Periods per week			Scheme of Examination Maximum Marks		
			L	P	C	Internal Exam	External Exam	Total
1	16MCA111	Discrete Structures and Automata Theory	4	-	4	40	60	100
2	16HAS111	Technical English	4	-	4	40	60	100
3	16MCA112	Management for Computer Professionals	4	-	4	40	60	100
4	16MCA113	Programming in C	4	-	4	40	60	100
5	16MCA114	Computer Organization	4	-	4	40	60	100
6	16MCA115	Programming in C Lab	-	3	2	40	60	100
7	16MCA116	Information Technology Lab	-	3	2	40	60	100
8	16HAS112	English Communication Skills Lab	-	3	2	40	60	100
Contact periods per week			20	9				
Total periods per week			29					
Total credits(5 Theory+3 Labs)			26					
Total marks						320	480	800

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

I MCA- II Semester

S. No.	Course Code	Subject	Scheme of Instruction Periods per week			Scheme of Examination Maximum Marks		
			L	P	C	Internal Exam	External Exam	Total
1	16HAS121	Probability Statistics & Queuing Theory	4	-	4	40	60	100
2	16MBA128	Accounting & Financial Management	4	-	4	40	60	100
3	16MCA121	Object Oriented Programming Through JAVA	4	-	4	40	60	100
4	16MCA122	Operating Systems	4	-	4	40	60	100
5	16MCA123	Data Structures	4	-	4	40	60	100
6	16MCA124	Object Oriented Programming Through JAVA Lab	-	3	2	40	60	100
7	16MCA125	Operating Systems Lab	-	3	2	40	60	100
8	16MCA126	Data Structures Lab	-	3	2	40	60	100
Contact periods per week			20	9				
Total periods per week			29					
Total credits(5 Theory+3 Labs)					26			
Total marks						320	480	800

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

II MCA- I Semester

S. No.	Course Code	Subject	Scheme of Instruction Periods per week			Scheme of Examination Maximum Marks		
			L	P	C	Internal Exam	External Exam	Total
1	16HAS214	Computer Oriented Operations Research	4	-	4	40	60	100
2	16MCA211	Computer Networks	4	-	4	40	60	100
3	16MCA212	Data Base Management Systems	4	-	4	40	60	100
4	16MCA213	Software Engineering	4	-	4	40	60	100
5	16MCA214	Web Programming	4	-	4	40	60	100
6	16MCA215	Data Base Management Systems Lab	-	3	2	40	60	100
7	16MCA216	Web Programming Lab	-	3	2	40	60	100
8	16MCA217	Unix Lab	-	3	2	40	60	100
Contact periods per week			20	9				
Total periods per week			29					
Total credits(5 Theory+3 Labs)			26					
Total marks						320	480	800

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

II MCA- II Semester

S. No.	Course Code	Subject	Scheme of Instruction Periods per week			Scheme of Examination Maximum Marks		
			L	P	C	Internal Exam	External Exam	Total
1	16MCA221	Data Warehousing & Data Mining	4	-	4	40	60	100
2	16MCA222	Object Oriented Analysis & Design (using UML)	4	-	4	40	60	100
3	16MCA223	Cloud Infrastructure and Services	4	-	4	40	60	100
4	16MCA224	Elective – I						
	16MCA224A	Software Project Management	4	-	4	40	60	100
	16MCA224B 16MCA224C	. NET Technologies Embedded Systems						
5	16MCA225	Elective – II						
	16MCA225A	Web Services	4	-	4	40	60	100
	16MCA225B 16MCA225C	Information Security Artificial Intelligence						
6	16MCA226	Data Warehousing & Data Mining Lab	-	3	2	40	60	100
7	16MCA227	Object Oriented Analysis & Design Lab	-	3	2	40	60	100
8	16MCA228	Reasoning, Aptitude and Technical Lab	-	3	2	40	60	100
Contact periods per week			20	9				
Total periods per week			29					
Total credits(5 Theory+3 Labs)					26			
Total marks						320	480	800

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

III MCA- I Semester

S. No.	Course Code	Subject	Scheme of Instruction Periods per week			Scheme of Examination Maximum Marks		
			L	P	C	Internal Exam	External Exam	Total
1	16MCA311	Software Testing	4	-	4	40	60	100
2	16MCA312	Big Data Analytics	4	-	4	40	60	100
3	16MCA313	Mobile Application Using Android	4	-	4	40	60	100
4	16MCA314	Elective – III						
	16MCA314A	Information Retrieval systems	4	-	4	40	60	100
	16MCA314B 16MCA314C	Web Mining Semantic Web						
5	16MCA315	Elective – IV						
	16MCA315A	Internet of Things	4	-	4	40	60	100
	16MCA315B 16MCA315C	Design Patterns Ethical Hacking						
6	16MCA316	Software Testing Lab	-	3	2	40	60	100
7	16MCA317	Big Data Analytics Lab	-	3	2	40	60	100
8	16MCA318	Mobile Application Using Android Lab	-	3	2	40	60	100
Contact periods per week			20	9				
Total periods per week			29					
Total credits(5 Theory+3 Labs+ CVV)					26			
Total marks						320	480	800

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES
(AUTONOMOUS)**

III MCA- II Semester

S. No.	Course Code	Name of the Course	Credits	Maximum Marks		
				Internal Exam	External Exam	Total
1	16MCA319	Comprehensive Viva-Voce	2	100	-	100
2	16MCA321	Project Seminar	2	100	-	100
3	16MCA322	Project Dissertation / Thesis	12	40	60	100
		Total	16	240	60	300

SITAMS, CHITTOOR