

MAULANA AZAD NATIONAL URDU UNIVERSITY, HYDERABAD

(Accredited "A" Grade by NAAC)

Course Curriculum and Evaluation Scheme : Session - 2019-22

Master of Computer Applications

PROGRAM NAME	Master of Computer Applications		
PROGRAM CODE	MMCA	PROGRAM ID	19MCA0
COURSE DELIVERY	Semester With Grading	COURSE TYPE	Regular
COURSE DURATION	6 Semesters	MAX DURATION	10 Semesters
PASS PERCENT	50	ATTENDENCE PERCENT	75

Degree Award Definition (DIV01)

9.0 -	10.1	O
7.5 -	9.0	A+
6.0 -	7.5	A
5.5 -	6.0	B+
5.0 -	5.5	B
4.5 -	5.0	C
4.0 -	4.5	P
0.0 -	4.0	F

Grade Point Definition (GPG01)

90 <	100	O	10
75 <	90	A+	9
60 <	75	A	8
55 <	60	B+	7
50 <	55	B	6
45 <	50	C	5
40 <	45	P	4
0 <	40	F	0

L: Theory Periods per Week; P: Lab Periods / Week; T:Tutorial Periods/ Week;
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Sl	PaperID	Paper Code	Paper Name	Paper Cat.	Periods			Th. Marks		Lab Marks		Total Marks	Credits	
					L	P	T	IA	UE	IA	UE			
1 : PROGRAM SPECIFIC COURSES													SEM - 1	
1	MMT1A1	MMCA101BST	PROBABILITY & STATISTICS	2	4	0	0	30	70	0	0	100	4	
2	MCA101	MMCA101PCT	MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE	1	4	0	0	30	70	0	0	100	4	
3	MCA102	MMCA102PCT	PROGRAMMING WITH C	1	4	0	0	30	70	0	0	100	4	
4	MCA103	MMCA103PCT	E-COMMERCE	1	4	0	0	30	70	0	0	100	4	
5	MLE1A1	MMCA101HST	ENGLISH LANGUAGE COMMUNICATION SKILLS	2	4	0	0	30	70	0	0	100	4	
6 *	MLU1V1	MMCA101NCT	TARSEEL-E-URDU	1	2	0	0	30	70	0	0	100	2	
7	MCA115	MMCA150PCP	COMPUTER PROGRAMMING USING C LAB	1	0	4	0	0	0	50	50	100	2	
8	MCA116	MMCA151PCP	PC SOFTWARE LAB	1	0	4	0	0	0	50	50	100	2	

Sl	PaperID	Paper Code	Paper Name	Paper Cat.	Periods			Th. Marks		Lab Marks		Total Marks	Credits	
					L	P	T	IA	UE	IA	UE			
2 : CBCS COURSES (OFFERED TO 2019-22 BATCH)													SEM - 1	
1 *	MLE1C1	PGEN101AET	COMMUNICATIVE ENGLISH - I	3	2	0	0	15	35	0	0	50	2	
2	MLA1F1	PGAR101GET	INTRODUCTION TO ARABIC LANGUAGE	4	4	0	0	30	70	0	0	100	4	

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					L	P	T	IA	UE	IA	UE		
4 : NON-CGPA CBCS COURSES (OFFERED TO 2019-22 BATCH)												SEM - 1	
1	* OSP003	CCPE052NCP	SPORTS AND PHYSICAL EDUCATION(BADMINTON)	5	0	4	0	0	0	50	0	50	2
2	* OSP004	CCPE053NCP	SPORTS AND PHYSICAL EDUCATION(VOLLEY BALL)	5	0	4	0	0	0	50	0	50	2
3	* OSP002	CCPE051NCP	SPORTS AND PHYSICAL EDUCATION(CRICKET)	5	0	4	0	0	0	50	0	50	2
4	* OCU001	CCNS050NCP	NATIONAL SERVICE SCHEME	5	0	4	0	0	0	50	0	50	2

End of Part /Sem - 1

PASS PERCENTAGE

INTERNAL ASSESSMENT (IA)	40
SEMESTER END EXAM (UE)	40
INTERNAL ASSESSMENT PRACTICAL	50
UE EXAM PRACTICAL	50
TOTAL	40

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

CGPA 0

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					L	P	T	IA	UE	IA	UE			
1 : PROGRAM SPECIFIC COURSES													SEM - 2	
1	MCA201	MMCA201PCT	COMPUTER SYSTEM ARCHITECTURE	1	4	0	0	30	70	0	0	100	4	
2	MCA202	MMCA202PCT	OBJECT ORIENTED PROGRAMMING USING C++	1	4	0	0	30	70	0	0	100	4	
3	MCA203	MMCA203PCT	DATA STRUCTURES	1	4	0	0	30	70	0	0	100	4	
4	MCA204	MMCA204PCT	OPERATING SYSTEMS	1	4	0	0	30	70	0	0	100	4	
5	MCA2C3	MMCA203PET	CLIENT SERVER COMPUTING	3	4	0	0	30	70	0	0	100	4	
6	MCA215	MMCA250PCP	OOPS LAB	1	0	4	0	0	0	50	50	100	2	
7	MCA216	MMCA251PCP	DATA STRUCTURES LAB	1	0	4	0	0	0	50	50	100	2	
8	MCA2C5	MMCA205PET	INFORMATION SECURITY AND CYBER LAWS	3	4	0	0	30	70	0	0	100	4	

Sl	PaperID	Paper Code	Paper Name	Paper Cat.	Periods			Th. Marks		Lab Marks		Total Marks	Credits	
					L	P	T	IA	UE	IA	UE			
2 : CBCS COURSES (OFFERED TO 2019-22 BATCH)													SEM - 2	
1	MCS2F1	PGCS201GET	DATABASE MANAGEMENT SYSTEM	4	3	3	0	0	0	15	35	50	2	
2	MIS2F1	PGIS201GET	FUNDAMENTALS OF ISLAM	4	4	0	0	30	70	0	0	100	4	
3	MLP2F1	PGPR201GET	ADVANCE PERSIAN	4	4	0	0	30	70	0	0	100	4	
4	MCS2D1	PGCS201SET	FUNDAMENTALS OF INFORMATION TECHNOLOGY	3	2	0	0	15	35	0	0	50	2	

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					L	P	T	IA	UE	IA	UE		
4 : NON-CGPA CBCS COURSES (OFFERED TO 2019-22 BATCH)												SEM - 2	
1	* OCU001	CCNS050NCP	NATIONAL SERVICE SCHEME	5	0	4	0	0	0	50	0	50	2
2	* OCU003	CCUC050NCP	URDU CULTURE STUDIES(BASIC COURSE)	5	0	4	0	0	0	50	0	50	2
3	* OSP002	CCPE051NCP	SPOPTS AND PHYSICAL EDUCATION(CRICKET)	5	0	4	0	0	0	50	0	50	2
4	* OSP003	CCPE052NCP	SPORTS AND PHYSICAL EDUCATION(BADMINTON)	5	0	4	0	0	0	50	0	50	2

End of Part /Sem - 2

PASS PERCENTAGE

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

INTERNAL ASSESSMENT (IA)	40	CGPA	5
SEMESTER END EXAM (UE)	40		
INTERNAL ASSESSMENT PRACTICAL	50		
UE EXAM PRACTICAL	50		
TOTAL	40		

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					L	P	T	IA	UE	IA	UE		
1 : PROGRAM SPECIFIC COURSES												SEM - 3	
1	MCA301	MMCA301PCT	DATA BASE MANAGEMENT SYSTEM	1	4	0	0	30	70	0	0	100	4
2	MCA302	MMCA302PCT	ANALYSIS & DESIGN OF ALGORITHMS	1	4	0	0	30	70	0	0	100	4
3	MCA303	MMCA303PCT	COMPUTER NETWORKS	1	4	0	0	30	70	0	0	100	4
4	MCA304	MMCA304PCT	JAVA PROGRAMMING	1	4	0	0	30	70	0	0	100	4
5	MCA315	MMCA350PCP	DBMS LAB	1	0	4	0	0	0	15	35	50	2
6	MCA316	MMCA351PCP	JAVA PROGRAMMING LAB	1	0	4	0	0	0	15	35	50	2
7	MCA3C1	MMCA301PET	MOBILE COMPUTING	3	4	0	0	30	70	0	0	100	4
8	MCA3C2	MMCA302PET	ADVANCE OPERATING SYSTEM	3	4	0	0	30	70	0	0	100	4

End of Part /Sem - 3

PASS PERCENTAGE

INTERNAL ASSESSMENT (IA)	40
SEMESTER END EXAM (UE)	40
INTERNAL ASSESSMENT PRACTICAL	50
UE EXAM PRACTICAL	50
TOTAL	40

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

CGPA 0

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					L	P	T	IA	UE	IA	UE		
1 : PROGRAM SPECIFIC COURSES				SEM - 4									
1	MCA401	MMCA401PCT	SOFTWARE ENGINEERING	1	4	0	0	30	70	0	0	100	4
2	MCA402	MMCA402PCT	DATA WAREHOUSING AND DATA MINING	1	4	0	0	30	70	0	0	100	4
3	MCA403	MMCA403PCT	FORMAL LANGUAGE & AUTOMATA THEORY	1	4	0	0	30	70	0	0	100	4
4	MCA404	MMCA404PCT	COMPUTER GRAPHICS	1	4	0	0	30	70	0	0	100	4
5	MCA415	MMCA450PCP	UML LAB	1	0	4	0	0	0	15	35	50	2
6	MCA416	MMCA451PCP	LINUX PROGRAMMING LAB	1	0	4	0	0	0	15	35	50	2

End of Part /Sem - 4

PASS PERCENTAGE

INTERNAL ASSESSMENT (IA)	40
SEMESTER END EXAM (UE)	40
INTERNAL ASSESSMENT PRACTICAL	50
UE EXAM PRACTICAL	50
TOTAL	40

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

CGPA 5

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					L	P	T	IA	UE	IA	UE		
1 : PROGRAM SPECIFIC COURSES												SEM - 5	
1	MCA501	MMCA501PCT	CLOUD COMPUTING AND VIRTUALIZATION	1	4	0	0	30	70	0	0	100	4
2	MCA502	MMCA502PCT	WEB TECHNOLOGY	1	4	0	0	30	70	0	0	100	4
3	MCA503	MMCA503PCT	CRYPTOGRAPHY & NETWORK SECURITY	1	4	0	0	30	70	0	0	100	4
4	MCA504	MMCA504PCT	ARTIFICIAL INTELLIGENCE	1	4	0	0	30	70	0	0	100	4
5	MCA515	MMCA550PCP	WEB TECHNOLOGY LAB	1	0	4	0	0	0	15	35	50	2
6	MCA516	MMCA551PCP	ARTIFICIAL INTELLIGENCE LAB	1	0	4	0	0	0	15	35	50	2
7	MCA5C2	MMCA502PET	ADVANCE COMPUTER NETWORK	3	4	0	0	30	70	0	0	100	4

End of Part /Sem - 5

PASS PERCENTAGE

INTERNAL ASSESSMENT (IA)	40
SEMESTER END EXAM (UE)	40
INTERNAL ASSESSMENT PRACTICAL	50
UE EXAM PRACTICAL	50
TOTAL	40

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

CGPA 0

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					L	P	T	IA	UE	IA	UE		
1 : PROGRAM SPECIFIC COURSES				SEM - 6									
1	MCA615	MMCA650PCP	PROJECT	1	0	32	0	0	0	15	35	50	16
2	MCA616	MMCA651PCP	SEMINAR	1	0	8	0	0	0	15	35	50	4

End of Part /Sem - 6

PASS PERCENTAGE

INTERNAL ASSESSMENT (IA)	40
SEMESTER END EXAM (UE)	40
INTERNAL ASSESSMENT PRACTICAL	50
UE EXAM PRACTICAL	50
TOTAL	40

BACKLOG : MINIMUM 'CGPA'REQUIRED FOR PROMOTION

CGPA 5

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