MASTER OF COMPUTER APPLICATIONS (2008-2009)

S. No	Semester	Category	Course Code			Maximum Marks			mum Mass	Hours/ Week	Credit	
				Property of the second	C.I.A	E.E	Total	C.I.A	E.E	Total		1 % and
1		Core	8P1CA1	Mathematical Foundations of Computer Science	25	75	100	10	30	40	5	4.
2		Core	8P1CA2	Data Structures and Algorithms	25	75	100	10	30	40		54
3		Core	8P1CA3	Computer Fundamentals and Programming Techniques	25	75	100	10	30	40	5	4
4	4 15 12 1	Core	8P1CA4	Organizational Behavior	25	75	100	10	30	40	5	4
5	2	Core	8P1CA5	Computer Architecture	25	75	100	10	30	40	4	4
6		Core-PL	8P1CAP1	Software Lab-Multimedia Lab	40	60	100	16	24	40	3	2
7		Core-PL	8P1CAP2	Software Lab-II Data Structures Using	C 40	60	100	16	24	40	3	2
8		Skill Elective-	8P1CAS1	Effective Communication Level-I	40	60	100	16	24	40	3	2
9	II.	Core	8P2CA6	Computer Networks	25	75	100	10	30	40	5	4
10		Core	8P2CA7	Object Oriented Programming with C++	25	75	100	10	30	40		43
11		Core	8P2CA8	Operating System Design Principles	25	75	100	10	30	40	5	4
12	3	Core	8P2CA9	Computer Graphics	25	75	100	10	30	40	5	4
13		Core	8P2CA10	Optimization Techniques .	25	75	100	10	30	40	5	4
14		Core-PL	8P2CAP3	Software Lab –III C++ Graphics	40	60	100	16	24	40	3	2
15		Core-PL	8P2CAP4	Software Lab-IV O.SUnix	40	60	100	16	24	40	3	2
16		Skill Elective-	8P2CAS2	Effective Communication Level-II	40	60	100	16	24	40	3	2
17		Core	8P3CA11	Advanced Java Programming	25	75	100	10	30	40	4	4
18		Core	8P3CA12	Database Management System	25	75	100	10	30	40	5	4
19		Core	8P3CA13	Internet and Web Technology	25	75	100	10	30	40	5	4
20		Core	8P3CA14	Compiler Design	25	75	100	10	30	40	5	4
21		Core	8P3CA15	Accounting and Financial Management	25	75	100	10	30	40	5	4

S. No	Semester	Category	Course Code	Title of the Course	M	Maximum Marks	1		mum Ma for Pass		Hours/ Week	Credits
	-	-			C.I.A	E.E	Total	C.I.A	E.E	Total		
22		Core-PL	8P3CAP5	Software Lab-V Web Technology	40	60	100	16	24	40	3	2
23		Core-PL	8P3CAP6	Software Lab-VI Core Java	40	60	100	16	24	40	3	2
24	1 or	Skill Elective-III	8P3CAS3	Personality Development	40	60	100	16	24	40	3	2
25	- IV	Core	8P4CA16	Microprocessors and Their Applications	25	75	100	10	30	40.	5	4
26		Core	8P4CA17	Web services	25	75	100	10	30	40	5	5
27		Core	8P4CA18	Advanced Software Engineering	25	75	100	10	30	40	5	4.
28		Elective-1 A/B	TCP/IP 8P4CAEB1	Human Computer Interaction	25	75	100	10	30	40	4	4
29		Elective-II A/B	8P4CAEA2	Enterprise Resource Planning / Management Information System	25	75	100	10	30	40	5	4
30	IV	Core-PL	8P4CAP7	Software Lab VII Visual Programming	40	60	100	16	24	40	3	2
31		Core -PL	8P4CAP8	Software Lab VIII RDBMS	40	60	100	16	24	40	3	2
32		Skill-IV	8P4CAS4	Quality and Process Standards	40	60	100	16	24	40	3	2
33	8 V	Core	8P5CA19	Data Mining and Data Warehousing	25	75	100	10	30	40	5	4
34		Core	8P5CA20	Real Time Systems	25	75	100	10	30	40	5	4
35		Core	8P5CA21	Pervasive computing	25	75	100	10	30	0 40	4	4
36		Elective -III A /B	8P5CAEA3 8P5CAEB3		y 25	75	100	10	30	0 40	5	4
37		Elective -IV A/B		4 Introduction to Bio-Informatics / Distributed Technologies	25	75	100) 10	30	0 40	5	
38		Core -PL	L 8P5CAP9	Lab IX Distributed Technologies Lab	40	60	100	16	2	24 40	0 3	4
39		Core-PL	8P5CAP10	Lab X Mini project using Latest Technologies	40	60	100	0 16		24 40	0 3	100
40		Skill-V	8P5CAS5	Business Understanding and Interpersonal skills	40	60	100	0 16	3	24 40	0 3	
41	1 VI	Core	8P6CAPR	Project	80	12	20 200	0 32	2 1	48 10	00 6 Mon	oths

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MCA (Master of Computer Applications) 2017-2018

S. No	Semester	Category	Paper Code	Title of the Course	Max	imum	Marks		mum I for Pas	-	Hours Week	Credits
					CIA E.E To			CIA	E.E	Total		
1		Core	17P1CA1	C and C++ Programming	25	75	100	10	30	50	5	4
2		Core	17P1CA2	Data Structures and Algorithms	25	75	100	10	30	50	5	4
3		Core	17P1CA3	Digital Computer Fundamentals	25	75	100	10	30	50	5	4
4		Core	17P1CA4	Database Management System	25	75	100	10	30	50	5	4
5	I	Core	17P1CA5	Computer Graphics	25	75	100	10	30	50	4	3
6		Core-PL	17P1CAP1	C and C++ Lab	40	60	100	16	24	50	3	2
7		Core-PL	17P1CAP2	RDBMS Lab	40	60	100	16	24	50	3	2
8		Skill Elective-I	17P1CAS1	Grooming & Business Etiquette	40	60	100	16	24	50	3	2
9		Core	17P2CA6	Computer Networks	25	75	100	10	30	50	5	4
10		Core	17P2CA7	Operating System Design Principles	25	75	100	10	30	50	5	3
11		Core	17P2CA8	Computer Architecture	25	75	100	10	30	50	5	4
12		Core	17P2CA9	Java Programming	25	75	100	10	30	50	4	4
13	II	Core	17P2CA10	Microprocessors and their Applications	25	75	100	10	30	50	5	4
14		Core-PL	17P2CAP3	Java Programming Lab	40	60	100	16	24	50	3	2
15		Core-PL	17P2CAP4	Multimedia and Operating Systems Lab	40	60	100	16	24	50	3	2
16		Skill Elective-II	17P2CAS2	Presentation Skills	40	60	100	16	24	50	3	2
17		Core	17P3CA11	Internet and Web Technology	25	75	100	10	30	50	5	4
18		Core		Accounting and Financial Management	25	75	100	10	30	50	5	4
19		Core		Mathematical foundations of Computer Science	25	75	100	10	30	50	5	4
20	III	Core	17P3CA14	Organizational Behaviour	25	75	100	10	30	50	4	4
21		Core	17P3CA15	Software Engineering	25	75	100	10	30	50	5	4
22		Core-PL	17P3CAP5	Object Oriented Analysis and Design Lab	40	60	100	16	24	50	3	3
23		Core-PL	17P3CAP6	Web Design-Python Lab	40	60	100	16	24	50	3	3
24		Skill Elective-III	17P3CAS3	Group Communication	40	60	100	16	24	50	3	2

S. No	Semester	Category	Paper Code	Title of the Paper	Maximum Marks			Minimum Marks for Pass			Hours Week	Credits
					CIA		Total	CIA	E.E	Total		
25		Core	17P4CA16	Optimization Techniques	25	75	100	10	30	50	5	5
26		Core	17P4CA17	Compiler Design	25	75	100	10	30	50	5	5
27		Core	17P4CA18	Big Data Analytics	25	75	100	10	30	50	5	4
28		Major Elective-1	17P4CAEL1A 17P4CAEL1B 17P4CAEL1C	Distributed Programming using J2EE Ubiquitous Computing Peer-to-Peer Computing	25	75	100	10	30	50	5	4
29	IV	Major Elective-II	17P4CAEL2A 17P4CAEL2B 17P4CAEL2C	Enterprise Resource Planning Management Information System Software Project Management	25	75	100	10	30	50	4	4
30		Core-PL	17P4CAP7	Data Analytics Lab	40	60	100	16	24	50	3	2
31		Core -PL	17P4CAP8	Distributed Programming using J2EE lab	40	60	100	16	24	50	3	2
32		Skill Elective-IV	17P4CAS4	Interpersonal Skills	40	60	100	16	24	50	3	2
33		Core	17P5CA19	Cross Platform - Mobile Applications Development	25	75	100	10	30	50	6	4
34		Core	17P5CA20	Dot Net frame work with C# Programming	25	75	100	10	30	50	6	4
35		Major Elective-III	17P5CAEL3A 17P5CAEL3B 17P5CAEL3C	Soft Computing Internet of Things Human Computer Interaction	25	75	100	10	30	50	6	4
36	V	Major Elective-IV	17P5CAEL4A 17P5CAEL4B 17P5CAEL4C	Service Oriented Architecture Semantic Web Cloud Computing	25	75	100	10	30	50	5	4
37		Core -PL	17P5CAP9	Cross Platform – Mobile Applications Development Lab	40	60	100	16	24	50	3	3
38		Core-PL	17P5CAP10	C# Programming Lab	40	60	100	16	24	50	3	3
39		Skill Elective-V	17P5CAS5	Business Models - IT Industries	40	60	100	16	24	50	3	2
40	VI	Core	17P6CAPR	Project	40	60	100	16	24	50	6 Months	10
				Tot	al Ma	rks -	4000				Credits	- 140

MASTER OF COMPUTER APPLICATIONS (MCA) 2017 - 2018

COURSES	TOTAL NO OF COURSES	TOTAL MARKS	TOTAL CREDITS
Core	31	3100	114
Major Elective	4	400	16
Skill Elective	5	500	10
Total	40	4000	140