

KADI SARVA VISHWA VIDYALAYA, GANDHINAGAR

MCA SEMESTER-I SYLLABUS W.E.F. YEAR 2020-21

Sr. No.	Sub. Code	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme				
				(per week)		MID	CEC	External		Total Marks
				Th.	Pr.	Th.	Th.	Th.	Pr.	
1	MCA-11	OBJECT ORIENTED TECHNOLOGY	5	3	4	25	25	50	50	150
2	MCA-12	WEB DEVELOPMENT TECHNOLOGY	5	3	4	25	25	50	50	150
3	MCA-13	ADVANCED DATABASE MANAGEMENT SYSTEMS	5	3	4	25	25	50	50	150
4	MCA-14	ADVANCED NETWORKING	4	3	2	25	25	50	50	150
5	MCA-15	PROGRAMMING USING OPEN SOURCE	4	3	2	25	25	50	50	150
6	MCA-16	MINI PROJECT - I	1	-	2	0	50	0	0	50
		TOTAL	24	15	18	125	175	250	250	800

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MCA SEMESTER-II SYLLABUS W.E.F. YEAR 2020-21

Sr. No.	Sub. Code	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme				
				(per week)		MID	CEC	External		Total Marks
				Th.	Pr.	Th.	Th.	Th.	Pr.	
1	MCA-21	ADVANCED OBJECT ORIENTED TECHNOLOGY	5	3	4	25	25	50	50	150
2	MCA-22	OPEN SOURCE TECHNOLOGY	5	3	4	25	25	50	50	150
3	MCA-23	OPTIMIZATION TECHNIQUES	3	3	-	25	25	50	-	100
4 – 1		ELECTIVE GROUP I: MOBILE								
	MCA-24 (A)	MOBILE PROGRAMING	5	3	4	25	25	50	50	150
	MCA-25 (A)	NEXT GENERATION APPLICATION DEVELOPMENT	5	3	4	25	25	50	50	150
	MCA-26 (A)	MOBILE CROSS PLATFORM DEVELOPMENT	3	3	-	25	25	50	-	100
4 – 2		ELECTIVE GROUP II: DATA ANALYTICS								
	MCA-24 (B)	DATABASE ADMINISTRATION	5	3	4	25	25	50	50	150
	MCA-25 (B)	BIG DATA & DATA ANALYTICS	5	3	4	25	25	50	50	150
	MCA-26 (B)	NEXT GENERATION DATABASES	3	3	-	25	25	50	-	100
4 – 3		ELECTIVE GROUP III: NETWORK								
	MCA-24 (C)	WIRELESS SENSOR NETWORKS	5	3	4	25	25	50	50	150
	MCA-25 (C)	INFORMATION & NETWORK SECURITY	5	3	4	25	25	50	50	150
	MCA-26 (C)	HETEROGENEOUS NETWORKS	3	3	-	25	25	50	-	100
TOTAL			26	18	16	150	150	300	200	800

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MCA SEMESTER-III SYLLABUS W.E.F. YEAR 2020-21

Sr. No.	Sub. Code	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme				
				(per week)		MID	CEC	External		Total
				Th.	Pr.	Th.	Th.	Th.	Pr.	Marks
1	MCA-31	ARTIFICIAL INTELLIGENCE	4	3	2	25	25	50	50	150
2	MCA-32	CYBER SECURITY & FORENSIC SCIENCE	4	3	2	25	25	50	50	150
3	MCA-33	CLOUD INFRASTRUCTURE & SERVICES	4	4	-	25	25	50	-	100
4	MCA-34	MACHINE LEARNING	4	3	2	25	25	50	50	150
5	MCA-35	INTERNET OF THINGS	4	3	2	25	25	50	50	150
6	MCA-36	ELECTIVE:								
	MCA-36 (A)	SOFTWARE TESTING & QUALITY ASSURANCE	4	3	2	25	25	50	50	150
	MCA-36 (B)	ADVANCED WEB DEVELOPMENT TECHNOLOGIES	4	3	2	25	25	50	50	150
	MCA-36 (C)	DIGITAL MARKETING	4	3	2	25	25	50	50	150
	MCA-36 (D)	BLOCK CHAIN TECHNOLOGY	4	3	2	25	25	50	50	150
7	MCA-37	MINI PROJECT – II	2	-	4	0	25	0	25	50
TOTAL			26	19	14	150	175	300	275	900

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MCA SEMESTER-IV SYLLABUS W.E.F. YEAR 2020-21

Sr. No.	Sub. Code	Name of the subject	SUB Total CREDIT	Teaching scheme		Examination scheme				
				(per week)		MID	CEC	External		Total
				Th.	Pr.	Th.	Th.	Th.	Pr.	Marks
1	MCA-41	INDUSTRY PROJECT	24	16 Week (48 Hrs at Industry Side per week)		0	200	0	500	700