

Veer Narmad South Gujarat University
MCA 5th Semester (Web Group)
Teaching and Evaluation Scheme

Paper	Title	Teaching		Credits	University Exam		Internal Marks	Total
		Theory (Hrs)	Practical (Hrs)		Duration	Marks		
501	Cloud Computing	4	0	4	3 Hrs	70	30	100
	Internet of Things							
502	Artificial Intelligence and Knowledge Based Systems	4	0	4	3 Hrs	70	30	100
503	Advanced Java Programming	4	0	4	3 Hrs	70	30	100
	Advanced Web Technology							
504	Advanced Android Development	4	0	4	3 Hrs	70	30	100
	Advanced iOS Development							
505	Open Source Web Based Programming	4	0	4	3 Hrs	70	30	100
506	Programming Skills XI	0	2	2	2 Hrs	70	30	100
507	Programming Skills XII	0	3	3	2 Hrs	70	30	100
508	Programming Skills XIII	0	2	2	2 Hrs	70	30	100
509	Programming Skills XIV	0	3	3	2 Hrs	70	30	100

Veer Narmad South Gujarat University
MCA 5th Semester (DB Group)
Teaching and Evaluation Scheme

Paper	Title	Teaching		Credits	University Exam		Internal Marks	Total
		Theory (Hrs)	Practical (Hrs)		Duration	Marks		
501	Cloud Computing	4	0	4	3 Hrs	70	30	100
	Internet of Things							
502	Artificial Intelligence and Knowledge Based Systems	4	0	4	3 Hrs	70	30	100
503	ERP Using SAP	4	0	4	3 Hrs	70	30	100
	NoSQL Databases							
504	Advanced Database Administration	4	0	4	3 Hrs	70	30	100
505	Data Warehousing & Data Mining	4	0	4	3 Hrs	70	30	100
	Big Data							
506	Programming Skills XI	0	2	2	2 Hrs	70	30	100
507	Programming Skills XII	0	2	2	2 Hrs	70	30	100
508	Programming Skills XIII	0	3	3	2 Hrs	70	30	100
509	Programming Skills XIV	0	3	3	2 Hrs	70	30	100

Veer Narmad South Gujarat University
MCA 5th Semester (Network Group)
Teaching and Evaluation Scheme

Paper	Title	Teaching		Credits	University Exam		Internal Marks	Total
		Theory (Hrs)	Practical (Hrs)		Duration	Marks		
501	Cloud Computing	4	0	4	3 Hrs	70	30	100
	Internet of Things							
502	Artificial Intelligence and Knowledge Based Systems	4	0	4	3 Hrs	70	30	100
503	Networking Essential and its Security	4	0	4	3 Hrs	70	30	100
504	Network Administration	4	0	4	3 Hrs	70	30	100
505	Wireless Network & Mobile Computing	4	0	4	3 Hrs	70	30	100
506	Programming Skills XI	0	2	2	2 Hrs	70	30	100
507	Programming Skills XII	0	3	3	2 Hrs	70	30	100
508	Programming Skills XIII	0	3	3	2 Hrs	70	30	100
509	Programming Skills XIV	0	2	2	2 Hrs	70	30	100

Veer Narmad South Gujarat University
MCA 5th Semester (General Group)
Teaching and Evaluation Scheme

Paper	Title	Teaching		Credits	University Exam		Internal Marks	Total
		Theory (Hrs)	Practical (Hrs)		Duration	Marks		
501	Cloud Computing	4	0	4	3 Hrs	70	30	100
	Internet of Things							
502	Artificial Intelligence and Knowledge Based Systems	4	0	4	3 Hrs	70	30	100
503	Networking Essential and its Security	4	0	4	3 Hrs	70	30	100
504	Advanced Database Administration	4	0	4	3 Hrs	70	30	100
505	Open Source Web Based Programming	4	0	4	3 Hrs	70	30	100
506	Programming Skills XI	0	2	2	2 Hrs	70	30	100
507	Programming Skills XII	0	3	3	2 Hrs	70	30	100
508	Programming Skills XIII	0	2	2	2 Hrs	70	30	100
509	Programming Skills XIV	0	3	3	2 Hrs	70	30	100

Veer Narmad South Gujarat University
MCA 6th Semester
Teaching and Evaluation Scheme

Paper	Title	Credits	University Exam	Internal Marks	Total
			Marks		
601	Seminar	6	70	30	100
602	Project	24	280	120	400