



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

ANNEXURE – V

*Scheme and Syllabi
for
Two Year M.C.A. Programme*

[ITEM 18]

Batch Admitted 2022



Guidelines / Abbreviations for Two Years MCA Programme (Effective from July 2022)

Abbreviations used

L	Lecture
T	Tutorial
P	Practical
BSC	Basic Science Courses
DC	Departmental Core
DE	Departmental Elective
BM	Business Management
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Courses

Definition of Credit:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
2 Hours Practical(Lab)/week	2 credit



Department of Computer Science And Engineering
Scheme of Examination

Master of Computer Applications (MCA) (2 Year Programme) (Semester – I)

For batches admitted in Academic Session 2022-23

S. No	Subject Code	Category Code	Subject Name	Maximum Marks Allotted						Total Marks	Contact Hours per Week			Total Credits	Mode of Teaching (Online, Offline, Blended)	Mode of Exam.	
				Theory Slot			Practical Slot		MOOCs		L	T	P				
				End sem	Mid sem	Quiz/ Assignment	End Sem	Lab work/ sessional	Assign ment								Exam
1.	680111	BSC	Mathematical Foundations	70	20	10	-	-	-	-	100	3	-	-	3	Offline	PP
2.	680112	DC	Data Structures and Algorithms	70	20	10	-	-	-	-	100	3	1	-	4	Offline	PP
3.	680113	DC	Database Management Systems	70	20	10	-	-	-	-	100	3	1	-	4	Offline	PP
4.	680114	DC	Operating Systems	70	20	10	-	-	-	-	100	3	1	-	4	Offline	PP
5.	680115	BM	Management Functions and Oral & Written Communication	70	20	10	-	-	-	-	100	3	-	-	3	Offline	PP
6.	680116	DLC	Lab-I (Object Oriented Programming Lab)	-	-	-	90	60	-	-	150	-	-	6	6	Offline	SO
7.	680117	DLC	Lab-II (DBMS Lab)	-	-	-	60	40	-	-	100	-	-	2	2	Offline	SO
Total				350	100	50	150	100	-	-	750	15	3	8	26		

PP: Pen Paper

SO: Submission + Oral

Mode of Teaching				Mode of Examination				Total Credits	
Theory		Blended		Lab	Theory		Lab		
Offline	Online	Offline	Online	Offline	PP	A+O	MCQ		SO
18	-	-	-	8	18	-	-	8	26
69.23%	-	-	-	30.77%	69.23%	-	-	30.77%	100%