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18/5/18

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV Bhopal)

**DEPARTMENT OF COMPUTER APPLICATIONS**

**MINUES OF MEETING of BOARD OF STUDIES**

As per the schedule the meeting of Board of Studies of Computer Applications is held on 07.04.2018 in Department of Computer Applications, MITS Gwalior. Following members attended the meeting:

1. Dr. R.S. Jadon, Prof. & Head, Department of Computer Applications, MITS.
2. Dr. D.N. Goswami, Professor, Computer Applications, S.O.S., J. U., Gwalior
3. Dr. Anshu Chaturvedi, Asso. Prof., Dept. of Comp. Appl., MITS
4. Prof. Prabhakar Sharma, Assistant Prof. (Sl. Grade), MCA, MITS Gwalior
5. Shri S.K. Lokras, Director Technical, Smart Control Systems, Gwalior
6. Prof. Parul Saxena, Assistant Prof., Dept. of Comp. Appl., MITS

The Committee confirmed the minutes of previous meeting. Further the Committee reviewed the existing scheme and suggestions of students and recommends continuing the same scheme with addition of **Programming In Python** as optional subject in Fifth Semester. The recommended scheme and syllabus as applicable to MCA Programme for the year 2018-19 is enclosed herewith. The coding of Subjects is incorporated as per the Institute norms.

The meeting ended with vote of thanks to the chair.



(Prof. Parul Saxena)  
Department Member



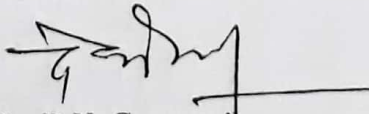
(Prof. P. Sharma)  
Department Member



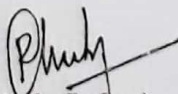
(Shri S.K. Lokras)  
Industry Expert



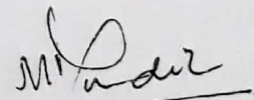
(Dr. Anshu Chaturvedi)  
Department Member



(Dr. D.N. Goswami)  
External Expert



(Dr. R.S. Jadon)  
Chairman, BOS

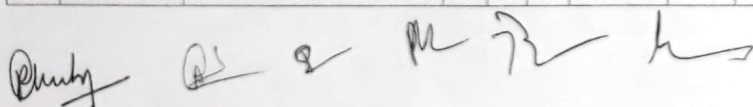


(Dr. M. Randeit)  
Dean Academics

## Scheme of Examination

### First Semester- Master of Computer Applications

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record / Assignment/ Quiz/Presentation	
1.	680101	SAD and Software Engineering	3	1	-	4	70	20	10		-	100
2.	680102	Mathematical Foundation of Computer Science	3	1	-	4	70	20	10	-	-	100
3.	680103	Programming and Problem Solving in C	3	1	-	4	70	20	10	-	-	100
4.	680104	Computer Organization and Assembly Language Programming	3	1	-	4	70	20	10	-	-	100
5.	680105	Communication Skills	3	1	-	4	70	20	10	-	-	100
6.	680106	Programming Laboratory in C	-	-	8	8	-	-	-	120	80	200
7.	680107	Assembly Language Programming Laboratory	-	-	2	2	-	-	-	30	20	50
		Total	15	5	10	30	350	100	50	150	100	750



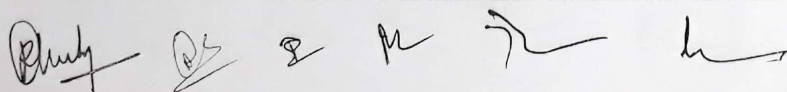
L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2018

## Scheme of Examination

### Second Semester- Master of Computer Applications

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record/Assignment/Quiz/Presentation	
1.	680201	Multimedia Systems	3	1	-	4	70	20	10	-	-	100
2.	680202	Computer Graphics	3	1	-	4	70	20	10	-	-	100
3.	680203	Data Structures	3	1	-	4	70	20	10	-	-	100
4.	680204	Computer Oriented Numerical & Statistical Methods	3	1	-	4	70	20	10	-	-	100
5.	680205	Accounting & Management Control	3	1	-	4	70	20	10	-	-	100
6.	680206	Data Structures Programming Laboratory	-	-	8	8	-	-	-	120	80	200
7.	680207	Programming Laboratory In Computer Graphics	-	-	2	2	-	-	-	30	20	50
Total			15	5	10	30	350	100	50	150	100	750



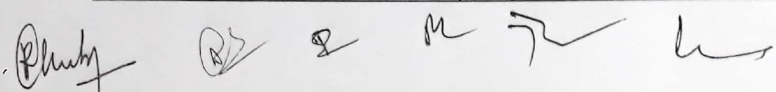
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w.e.f. July-2018

## Scheme of Examination

### Third Semester- Master of Computer Applications

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record/Assignment/Quiz/Presentation	
1.	680301	Computer Oriented Optimization	3	1	-	4	70	20	10	-	-	100
2.	680302	Operating System	3	1	-	4	70	20	10	-	-	100
3.	680303	Object Oriented Methodology & C++	3	1	-	4	70	20	10	-	-	100
4.	680304	Database Mgmt. System	3	1	-	4	70	20	10	-	-	100
5.	680305	Managerial Economics	3	1	-	4	70	20	10	-	-	100
6.	680306	Minor Project-I (VB+MySql)	-	-	8	8	-	-	-	120	80	200
7.	680307	C++ Programming Laboratory	-	-	2	2	-	-	-	30	20	50
		Total	15	5	10	30	350	100	50	150	100	750



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w.e.f. July-2018



## Scheme of Examination

### Fourth Semester- Master of Computer Applications

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Assignment/Quiz/Présentation	
1.	680401	Theory of Computation	3	1	-	4	70	20	10	-	-	100
2.	680402	Artificial Intelligence and Machine Learning	3	1	-	4	70	20	10	-	-	100
3.	680403	Unix and Shell Programming (Elective - I)	3	1	-	4	70	20	10	-	-	100
4.	680404	Java Programming and Technologies	3	1	-	4	70	20	10	-	-	100
5.	680405	Computer Networks and Communication	3	1	-	4	70	20	10	-	-	100
6.	680406	Minor Project-II (Java and My-SQL)	-	-	-	8	-	-	-	120	80	200
7.	680407	Programming Laboratory in Unix and Shell Programming	-	-	-	2	-	-	-	30	20	50
Total			15	5	10	30	350	100	50	150	100	750

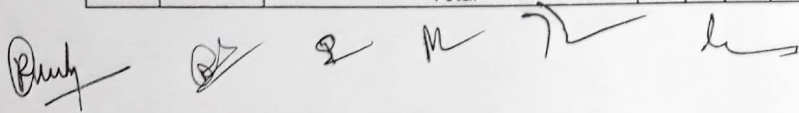
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w.e.f. July-2018

## Scheme of Examination

### Fifth Semester- Master of Computer Applications

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record/Assignment/Quiz/Presentation	
1.	680501	Analysis and Design of Algorithms	3	1	-	4	70	20	10	-	-	100
2.	680502	Network and Cyber Security	3	1	-	4	70	20	10	-	-	100
3.	680503	Web Technologies and Cloud Computing	3	1	-	4	70	20	10	-	-	100
4.	680504	Elective-I (.NET Technologies and C#)	3	1	-	4	70	20	10	-	-	100
5.	680505	Elective -II (Data Warehousing and Mining)	3	1	-	4	70	20	10	-	-	100
6.	680506	Minor Project-III Web Based Application Using .NET	-	-	8	8	-	-	-	120	80	200
7.	680507	Programming Laboratory in PHP and Web Technologies	-	-	2	2	-	-	-	30	20	50
Total			15	5	10	30	350	100	50	150	100	750



L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2018

Scheme of Examination

Sixth Semester- Master of Computer Application

S. No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (SESSIONAL)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		Sessional	viva	Project Seminar			
1.	680601	System Development Project	-	-	-	20	-	-	200	200	100	500
		Total	-	-	-	20	-	-	200	200	100	500

*Handwritten signatures and initials:*  
Rudh  
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L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2018