

Gondwana University, Gadchiroli
Faculty of Science & Technology
Two Years Regular Post Graduate Program: M.Sc. (Mathematics)
Semester-I

Course and Examination Scheme- 2023-2024

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination								
							Theory					Practical			
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing
01MSCMT01	Advanced Abstract Algebra	04	04	--	--	04	80	20	100	3	40	--	--	--	--
01MSCMT02	Topology	03	03	--	--	04	80	20	100	3	40	--	--	--	--
01MSC MT03	Linear Algebra	03	03	--	--	04	80	20	100	3	40	--	--	--	--
Elective- I (Any One)															
01MSCMT04	Numerical Analysis	04	04	--	--	04	80	20	100	3	40	--	--	--	--
01MSCMT05	Real Analysis														
01MSCMT06	Ordinary Differential Equations														
01MSCMT07	Calculus of Variations														
01MSCMT08	Number Theory														
01MSCMT09	SCILAB Programming														
01MSCMT10	Fuzzy Mathematics														
01MSCMT11	Logic and Set Theory														
01MSCMT12	Elementary Discrete Mathematics														
01MSCMT13	Research Methodology														
	Total	20	20	--	02	22	400	100	500	--	--	30	20	50	--

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Semester-II

Course and Examination Scheme- 2023-2024

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination								
							Theory					Practical			
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing
02MSCMT01	Field Theory	04	04	--	--	04	80	20	100	3	40	--	--	--	--
02MSCMT02	Measure Theory	04	04	--	--	04	80	20	100	3	40	--	--	--	--
02MSC MT03	Classical Mechanics	04	04	--	--	04	80	20	100	3	40	--	--	--	--
Elective- I (Any One)															
02MSCMT04	Operations Research	04	04	--	--	04	80	20	100	3	40	--	--	--	--
02MSCMT05	Differential Geometry														
02MSCMT06	Combinatorics														
02MSCMT07	Graph Theory														
02MSCMT08	Coding Theory														
02MSCMT09	Cryptography														
02MSCMT10	Advanced Topics in Topology														
02MSCMT11	Statistics and Probability														
02MSCMT12	C Programming														
02MSCMT13	Financial Mathematics														
02MSCMT14	OJT/Field Project	04		--	08	08						50	50	100	100
	Total	20	16	--	00	24	400	100	500	--	--	30	20	50	--

* OJT- On Job Training with Seminar

** Practical II shall be based on core subjects