

SANT GHIRA GURU VISHWAVIDYALAYA SARGUJA AMBIKAPUR (C.G.)



CHOICE BASED CREDIT SYSTEM
(CBCS)
2018-19

Syllabus

Master of M.Sc. (Mathematics)



First Semester Structure Table

S. No.	Subject Code	Course Title	Course Type	Credit	Contact Hours Per week			EoSE Duration (Hrs.)	
					L	T	P	Thy	P
1.	ABC 101		CCC	6	4	2	0	3	0
2.	ABC 102		CCC	6	4	2	0	3	0
3.	ABC 103		CCC	6	4	2	0	3	0
4.	ABC S01	Other Supportive Course	OSC	6	4	2	0	3	0
5.	ABC A01/B01/ C01/D01/ E01/F01		ECC	6	4	2	0	3	0
				30					

Second Semester Structure Table

S. No.	Subject Code	Course Title	Course Type	Credit	Contact Hours Per week			EoSE Duration (Hrs.)	
					L	T	P	Thy	P
1.	ABC 201		CCC	6	4	2	0	3	0
2.	ABC 202		CCC	6	4	2	0	3	0
3.	ABC 203		CCC	6	4	2	0	3	0
4.	ABC 221		PRJ/FST/ EST	6	4	2	0	3	0
5.	ABC A02/B02/ C02/D02/ E02/F021		ECC	6	4	2	0	3	0
				30					

M.Sc. (Mathematics) SECOND SEMESTER

Course Code	Course Type	Course (Paper/Subjects)	Credits	Contact Hours per Week			EoSE Duration (Hrs.)	
				L	T	P	Thy	P
MSM 201	CCC	Advanced Abstract Algebra (II)	6	4	3	0	3	0
MSM 202	CCC	Real Analysis (II)	6	4	3	0	3	0
MSM 203	CCC	Topology (II)	6	4	3	0	3	0
MSM S02	OSC	Social Outreach And Skill Development	6	0	0	9	0	4
MSM B01	ECC/CB	Advanced Discrete Mathematics (II)	6	4	3	0	3	0
MSM B02	ECC/CB	Algebraic Number Theory						
MSM B03	ECC/CB	Complex Analysis (II)						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TO TAL =30					

M.Sc. (Mathematics) THIRD SEMESTER

Course Code	Course Type	Course (Paper/ Subjects)	Credits	Contact Hours per Week			EoSE Duration (Hrs.)	
				L	T	P	Thy	P
MSM 301	CCC	Integration Theory and Functional Analysis (I)	6	4	3	0	3	0
MSM 302	CCC	Partial Differential Equations & Mechanics (I)	6	4	3	0	3	0
MSM 303	CCC	Operations Research (I)	6	4	3	0	3	0
MSM S03	OSC	Intellectual Property, Human Right Environment : Basics	6	4	3	0	3	0
MSM C01	ECC/CB	Numerical Analysis	6	4	3	0	3	0
MSM C02	ECC/CB	Mathematical Modeling						
MSM C03	ECC/CB	Fluid Dynamics						
MSM C04	ECC/CB	Fuzzy Sets and their Application- I						
MSM C05	ECC/CB	Computer Fundamental and Programming in C						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TO TAL =30					

M.Sc. (Mathematics) FOURTH SEMESTER

Course Code	Course Type	Course (Paper/ Subjects)	Credits	Contact Hours per Week			EoSE Duration (Hrs.)	
				L	T	P	Thy	P
MSM401	OC	Integration Theory and Functional Analysis (II)	6	4	3	0	3	0
MSM402	OC	Partial Differential Equations & Mechanics (II)	6	4	3	0	3	0
MSM403	OC	Operations Research (II)	6	4	3	0	3	0
MSM421	OSC	Dissertation	6	0	0	9	0	4
MSMD01	EOC/OB	Numerical Analysis (II)	6	4	3	0	3	0
MSMD02	EOC/OB	Mathematical Modeling						
MSMD03	EOC/OB	Number Theory and Cryptography						
MSMD04	EOC/OB	Fuzzy Sets and their Application- II						
MSMD05	EOC/OB	Computer Fundamental and Programming in C-II						
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			TO TAL =30					