



**GOVERNMENT COLLEGE (Autonomous) KALABURGI**

**PG DEPARTMENT OF STUDIES AND RESEARCH  
IN  
MATHEMATICS**

**Proposed syllabus for M.Sc. in Mathematics**

**Under choice Based Credit System (CBCS)**

**Semester Wise from the Academic year**

**2018-2019 on words**

*Approved by Academic Council*

*[Signature]*

**PRINCIPAL**

**Govt. College**

**Kusnoor Road, GULBARGA-585 105**



## COURSE STRUCTURE FOR MASTER OF SCIENCE IN MATHEMATICS

### SEMESTER-I

Course Code	Title of the Paper	Total Credits	Teaching Hours /week	Marks Allocation					Total Max. Marks
				Internal		Semester End Exam			
				Max. Marks	Min. Marks	Duration	Max. Marks	Min. Marks	
CCT1.1	Real Analysis	4	4	20	--	3hrs	80	32	100
CCT1.2	Advanced Algebra-I	4	4	20	--	3hrs	80	32	100
CCT1.3	Ordinary Differential Equations	4	4	20	--	3hrs	80	32	100
CCT1.4	Complex Analysis	4	4	20	--	3hrs	80	32	100
CCT1.5	Topology	4	4	20	--	3hrs	80	32	100
DSET 1.1	Operation Research	4	4	20	--	3hrs	80	32	100
DSET 1.2	Classical Mechanics	4	4	20	--	3hrs	80	32	100
<p>Note: Student should choose any one subject of DSET IN every semester.</p>									
	Total	24							600

- (1)
- (2)
- (3)

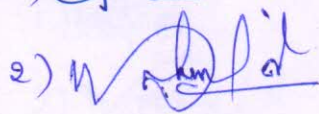
- (1)
- (2)
- (3)

COURSE STRUCTURE FOR MASTER OF SCIENCE IN MATHEMATICS


SEMESTER-II


Course Code	Title of the Paper	Total Credits	Teaching Hours /week	Marks Allocation					Total Max. Marks
				Internal		Semester End Exam			
				Max. Marks	Min. Marks	Duration	Max. Marks	Min. Marks	
CCT2.1	Advanced Algebra – II	4	4	20	--	3hrs	80	32	100
CCT2.2	Partial Differential Equations	4	4	20	--	3hrs	80	32	100
CCT2.3	Programming in C with ANSI features	4	4	20	--	3hrs	80	32	100
DSET2.1	Fuzzy Set and Fuzzy System	4	4	20	--	3hrs	80	32	100
DSET2.2	Probability and Statistics	4	4	20	--	3hrs	80	32	100
CCP2.3 LAB-I	Programming in C with ANSI features	2	4	10	--	3hrs	40	16	50
GET2.1	Applied Mathematics	4	4	20	--	3hrs	80	32	100
CCP2.3 LAB-II	Programming in C LAB	2	4	10	--	3hrs	40	16	50
	Total	24							600

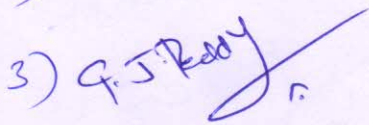
1) 

2) 

3) 

1) 




2) 

3) 

**COURSE STRUCTURE FOR MASTER OF SCIENCE IN MATHEMATICS**

**SEMESTER-III**

Course Code	Title of the Paper	Total Credits	Teaching Hours /week	Marks Allocation					Total Max. Marks
				Internal		Semester End Exam			
				Max. Marks	Min. Marks	Duration	Max. Marks	Min. Marks	
CCT3.1	Functional Analysis	4	4	20	--	3hrs	80	32	100
CCT3.2	Computational Numerical Methods-I	4	4	20	--	3hrs	80	32	100
CCT3.3	Fluid Mechanics-I	4	4	20	--	3hrs	80	32	100
DSET 3.2	Research Methodology & Mathematical Methods	4	4	20	--	3hrs	80	32	100
DSET 3.1	Fuzzy Logic and Applications	4	4	20	--	3hrs	80	32	100
CCP3.2 LAB-I	Computational Numerical Methods-I	2	4	10	--	3hrs	40	16	50
GET 3.1	Operations Research	4	4	20	--	3hrs	80	32	100
CCP 3.2 LAB-II	Programming in MATLAB	2	4	10	--	3hrs	40	16	50
	Total	24							600

- 1) 
- 2) 
- 3) 

- 1) 
- 2) 
- 3) 

