Contents of Courses for B.A./B.Sc. With Mathematics as Major Subject & B.A./B.Sc. (Hons) Mathematics Model IIA

Semester	Course No.	Theory/ Practical	Credits	Paper Title	Marks	
Sen					S.A.	I.A.
I	MATDSCT1.1	Theory	4	Algebra - I and Calculus - I	70	30
	MATDSCP1.1	Practical	2	Theory based Practical's on Algebra - I and Calculus - I	35	15
	MATOET1.1	Theory	3	(A) Mathematics – I(B) Business Mathematics – I	70	30
II	MATDSCT2.1	Theory	4	Algebra - II and Calculus - II		30
	MATDSCP2.1	Practical	2	Theory based Practical's on Algebra - II and Calculus - II	35	15
	MATOET2.1	Theory	3	(A) Mathematics – II (B) Business Mathematics-II	70	30
		Exit Opti	on v	vith Certificate (50 credits)		
III	MATDSCT3.1	Theory	4	Ordinary Differential Equations and Real Analysis-I	70	30
	MATDSCP3.1	Practical	2	Theory based Practical's on Ordinary Differential Equations and Real Analysis-I	35	15
	МАТОЕТЗ.1	Theory	3	(A) Ordinary Differential Equations (B) Quantitative Mathematics	70	30
IV	MATDSCT4.1	Theory	4	Partial Differential Equations and Integral Transforms	70	30
	MATDSCP4.1	Practical	2	Theory based Practical's on Partial Differential Equations and Integral Transforms	35	15
	MATOET4.1	Theory	3	(A) Partial Differential Equations(B) Mathematical Finance	70	30
		Exit Op	tion	with Diploma (100 credits)		
V	MATDSCT5.1	Theory	3	Real Analysis and Complex Analysis	70	30
	MATDSCP5.1	Practical	2	Theory based Practical's on Real Analysis and Complex Analysis	35	15
	MATDSCT5.2	Theory	3	Ring Theory	70	30
	MATDSCP5.2	Practical	2	Theory based Practical's on Ring Theory	35	15
	MATVT5.1	Vocatio nal	3	Vocational – 1	70	30
-	MATDSCT6.1	Theory	3	Linear Algebra	70	30
VI	MATDSCP6.1	Practical	-	Theory based Practical's on Linear Algebra	35	15
	MATDSCT6.2	Theory	3	Numerical Analysis	70	30

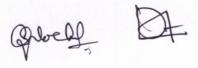
-20211004

Faculty of Science & Technology Gulbarga University, Kalaburagi-585 106.

Protessor & Chairman
Department of Mathematics
Guibarga Inhersity, KALABURAGI

	MATDSCP6.2	Practical	2	Theory based Practical's on Numerical Analysis	35	15
	MATVT6.1	Vocatio nal	3	Vocational - 2	70	30
	MATI 6.1		2	Internship	35	15
Е	xit Option with B aminimu	achelor of m of 144 c	Art	s, B.A./ Bachelor of Science, B.Sc. Degr ts) or continue studies with the major	ee (with	
	MATDSCT7.1	Theory	3	Discrete Mathematics	70	30
VII	MATDSCP7.1	Practical	2	Theory based Practical's on Discrete Mathematics	35	15
	MATDSCT7.2	Theory	3	Advanced Ordinary Differential Equations	70	30
	MATDSCP7.2	Practical	2	Theory based Practical's on Advanced Ordinary Differential Equations	35	15
	MATDSCT7.3	Theory	3	Advanced Analysis	70	30
	MATDSET 7.1	Theory	3	(A) Graph Theory(B) Entire and Meromorphic Functions(C) History of Bharatiya Ganit	70	30
	MATDSET 7.2	Theory	3	(A) General Topology(B) Bhâratîya Trikonmiti Śâstra(C) Number Theory	70	30
	MATRMT 7.1	Theory	3	Research Methodology in Mathematics	70	30
	MATDSCT8.1	Theory	3	Advanced Partial Differential Equations	70	30
VIII	MATDSCP8.1	Practical	2	Theory based Practical's on Advanced Partial Differential Equations	70	30
	MATDSCT8.2	Theory	3	Advanced Complex Analysis	70	30
	MATDSCT8.3	Theory	3	Fuzzy Sets and Fuzzy Systems	70	30
	MATDSET 8.1	Theory	3	 (A) Operations Research (B) Lattice theory and Boolean	70	30
	MATDSET 8.2	Research Project	6	Research Project* OR	140	60
			3 +	Any Two of the following electives (A) Finite Element Methods	OR	Ol
			3	(B) Cryptography	70	30
)	(C) Information Theory and Coding(D) Graph Theory and Networking	70	30

Award of Bachelor of Arts Honours, B.A. (Hons)/
Bachelor of Science Honours, B.Sc.(Hons) Degree in Mathematics (with a
minimum of 186 credits)



B.A./B.Sc. with Mathematics as a Minor in the 3rd Year

Semester	Course No.	Theory/ Practical	Credits	Paper Title	Marks	
					S.A	I.A.
V	MATDSCMT5.1	Theory	3	Complex Analysis	70	30
	MATDSCMP5.1	Practical	2	Theory based Practical's on Complex Analysis	35	15
VI	MATDSCMT6.1	Theory	3	Numerical Analysis	70	30
	MATDSCMP6.1	Practical	2	Theory based Practical's on Numerical Analysis	35	15

Abbreviation for MATDSCMT5.1 / MATDSCMP5.1

MAT – Mathematics; DSC – Discipline Core; M – Minor; T – Theory /P – Practical; S – Fifth Semester; .1 – Course 1

Plochy Day