

**Degree : B.Sc Mathematics**

(For the students admitted from the Academic Year 2025 – 2026)

**Scheme of Examination**

Semester	Part	Type	Course Code	Title of the Course	Hours per week	Credits	Internal Marks	External Marks	Total Marks
I	I	Language	25ULT001 / 25ULH001 / 25ULF001 / 25ULM001 / 25ULK001	Tamil – I / Hindi – I / French – I / Malayalam – I / Kannada – I	6	3	25	75	100
	II	English	25UEN101	Functional English - I	4	3	25	75	100
	III	Generic Core - 1	25BMT201	Classical Algebra	6	4	25	75	100
	III	Generic Core - 2	25BMT202	Calculus	6	4	25	75	100
	III	Allied - 1	25BMT701	Statistics for Mathematics I	5	3	20	55	75
	IV	Employability Skills - 1	25UES901	Communicative Skills	1	-	-	-	-
	IV	Ability Enhancement - 1	25UFC951	Environmental Studies	2	2	-	50	50
<b>Total</b>					<b>30</b>	<b>19</b>			<b>525</b>
II	I	Language	25ULT002 / 25ULH002 / 25ULF002 / 25ULM002 / 25ULK002	Tamil – II / Hindi – II / French – II / Malayalam – II / Kannada – II	6	3	25	75	100
	II	English	25UEN102	Functional English-II	4	3	25	75	100
	III	Generic Core - 3	25BMT203	Analytical Geometry	5	4	25	75	100
	III	Generic Core - 4	25BMT204	Trigonometry, Vector Calculus and Fourier Series	5	4	25	75	100
	III	Allied - 2	25BMT702	Statistics for Mathematics II	4	3	20	55	75

	III	Core Laboratory -1	25BMT801	Mat Lab	3	2	20	30	50
	IV	Employability Skills - 1	25UES901	Communicative Skills	1	2	25	25	50
	IV	Ability Enhancement - 2	25UFC952	Human Rights & Constitution of India	2	2	-	50	50
<b>Total</b>					<b>30</b>	<b>23</b>			<b>625</b>
III	I	Language	25ULT003 / 25ULH003 / 25ULF003 / 25ULM003 / 25ULK003	Tamil – III / Hindi – III / French – III / Malayalam – III / Kannada – III	6	3	25	75	100
	II	English	25UEN103	Communicative English	4	3	25	75	100
	III	Generic Core - 5	25BMT205	Differential Equations and Laplace Transforms	4	4	25	75	100
	III	Generic Core - 6	25BMT206	Statics	4	4	25	75	100
	III	Discipline Centric Core - 1	25BMT301	Data Structure	4	3	20	55	75
	III	Allied - 3	25BMT703	Accountancy - I	4	3	20	55	75
	IV	Employability Skills - 2	25UES902	Problem Solving & Reasoning	2	-	-	-	-
	IV	Ability Enhancement - 3	25UFC953	Health and Wellness	1	1	25	-	25
	IV	Elective Foundation - 1	25UFC954 / 25UFC955 / 25UFC956 / 25UFC957	Basic Tamil – I / Advanced Tamil- I / Indian Knowledge System / General Awareness	1	1	-	25	25
<b>Total</b>					<b>30</b>	<b>22</b>			<b>600</b>
IV	I	Language	25ULT004 / 25ULH004 / 25ULF004 / 25ULM004 / 25ULK004	Tamil – IV / Hindi – IV / French – IV / Malayalam – IV / Kannada – IV	6	3	25	75	100
	II	English	25UEN104	Business English Communication	4	3	25	75	100
	III	Generic Core - 7	25BMT207	Dynamics	4	4	25	75	100
	III	Generic Core - 8	25BMT208	Programming in C	4	4	25	75	100

	III	Discipline Centric Core - 2	25BMT302	Discrete Mathematics	3	3	20	55	75
	III	Allied - 4	25BMT704	Accountancy - II	3	3	20	55	75
	III	Core Laboratory - 2	25BMT802	Programming in C for Mathematical Problem Solving	2	2	20	30	50
	IV	Employability Skills - 2	25UES902	Problem Solving & Reasoning	2	2	25	25	50
	IV	Elective Foundation - 2	25UFC958 / 25UFC959 / 25UFC960 / 25UFC961 / 25UFC962	Basic Tamil-II / Advanced Tamil-II / Innovation & IPR / Women's Rights / Yoga for Human Excellence	2	2	-	50	50
<b>Total</b>					<b>30</b>	<b>26</b>			<b>700</b>
V	III	Generic Core - 9	25BMT209	Real Analysis - I	5	4	25	75	100
	III	Discipline Centric Core - 3	25BMT303	Complex Analysis - I	5	3	20	55	75
	III	Discipline Centric Core - 4	25BMT304	Modern Algebra - I	5	3	20	55	75
	III	Generic Elective - 1	25BMT401/ 25BMT402/ 25BMT403	Astronomy-I / Optimization Technique - I/ Number Theory	5	4	25	75	100
	III	Discipline Centric Elective - 1	25BMT501/ 25BMT502/ 25BMT503	Automata Theory & Formal Languages / Programming in C++/ Numerical Methods - I	4	4	25	75	100
	III	Open Elective	List enclosed in Annexure - I		4	4	25	75	100
	III	Internship	25BMT871	Internship	-	2	20	30	50
	IV	Employability Skills - 3	25UES903	Managerial Skills	2	2	25	25	50
<b>Total</b>					<b>30</b>	<b>26</b>			<b>650</b>

VI	III	Generic Core - 10	25BMT210	Real Analysis - II	6	4	25	75	100
	III	Discipline Centric Core - 5	25BMT305	Complex Analysis - II	5	3	20	55	75
	III	Discipline Centric Core - 6	25BMT306	Modern Algebra - II	5	3	20	55	75
	III	Discipline Centric Elective - 2	25BMT504/ 25BMT505/ 25BMT506	Astronomy—II / Optimization Technique - II/ Graph Theory	5	4	25	75	100
	III	Discipline Centric Elective -3	25BMT507/ 25BMT508/ 25BMT509	Python Programming/ Numerical Methods - II/ Introduction to Big Data	5	4	25	75	100
	III	Project	25BMT851	Project & Viva Voce	4	4	40	60	100
	V	Extension Activity	25UEX971/ 25UEX972/ 25UEX973	NSS / Sports / Club Activities	-	2	50	-	50
<b>Total</b>					<b>30</b>	<b>24</b>			<b>600</b>
<b>Grand Total</b>					<b>180</b>	<b>140</b>			<b>3700</b>

Candidates may choose any one of the open elective courses given below except their department course

**List of Open Electives offered for 2025 – 2026 Batch**

S. No	Offering Department	Course Code	Title of the Course
1	School of Liberal Arts - English	25BEL601	Creative Content Writing
2	School of Mathematics	25BMT601	Patterns and Logic in Everyday Life
3	School of Computer Studies (CS, CSDA)	25BCS601	Office Automation
4	School of Computer Studies (CS, CSDA)	25BDA601	Business Analytics with python
5	School of Computer Studies (IT & AIML)	25BIT601	Web Application Development
6	School of Computer Studies (IT & AIML)	25BAI601	Fundamentals of Artificial Intelligence
7	School of Commerce	25BCM601	Fundamentals of Goods and Services Tax
8	School of Commerce	25BBI601	Banking Operations
9	School of Applied Commerce - CA	25BCA601	Web Marketing
10	School of Applied Commerce - PA	25BPA601	Sales Promotion and Techniques
11	School of Management	25BBA601	Career Skills and Corporate Etiquette
12	School of Fashion	25BCF601	Beauty Care
13	School of Biotechnology	25BBT601	Organic Farming