



**SEETHALAKSHMI RAMASWAMI COLLEGE**

**(Autonomous)**

**Affiliated to Bharathidasan University  
Tiruchirappalli**

**Accredited with A+ by NAAC (4<sup>th</sup> Cycle)**



**B.Sc., Mathematics**

**CBCS - OBE Curriculum Structure**

*(For students admitted from 2024 onwards)*

SE M	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOTAL
I	I	Language - I		Course – I	6	3	EXT	25	75	100
	II	English - I		Course – I	6	3	EXT	25	75	100
	III	Core Course - I		Calculus	5	5	EXT	25	75	100
	III	Core Course - II		Theory of Equations and Vector Analysis	5	5	EXT	25	75	100
	III	First Allied Course - I		Offered by the Department of Commerce/Physics	4	3	EXT	25	75	100
	III	First Allied Practical		<b>Practical-I:</b> Offered by the Department of Commerce/Physics	2	-	INT	-	-	-
	IV	VBE		Value Based Education	2	2	EXT	25	75	100
	<b>TOTAL</b>				<b>30</b>	<b>21</b>				<b>600</b>

		EXTRA CREDIT COURSE		Communicative and Functional English offered by Department of English <b>-(MANDATORY)</b>	2	2	INT	25	75	100
<b>II</b>	I	Language - II		Course – II	6	3	EXT	25	75	100
	II	English - II		Course – II	6	3	EXT	25	75	100
	III	Core Course - III		Analytical Geometry of Three Dimensions and Trigonometry	5	5	EXT	25	75	100
	III	Core Course - IV		Numerical Methods	5	5	EXT	25	75	100
	III	First Allied Course - II		Offered by the Department of Commerce/Physics	4	3	EXT	25	75	100
	III	First Allied Practical		<b>Practical-I:</b> Offered by the Department of Commerce/Physics	2	3	INT	40	60	100
	IV	EVS		Environmental Studies	2	2	EXT	25	75	100
	<b>TOTAL</b>				<b>30</b>	<b>24</b>				<b>700</b>



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## B.Sc. Mathematics

### Revised CBCS - OBE - BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
III	I	Language - III		Course - III	6	3	EXT	25	75	100
	II	English - III		Course - III	6	3	EXT	25	75	100
	III	Core Course - V		Modern Algebra-I	5	5	EXT	25	75	100
	III	Core Course - VI		Programming in C	5	5	EXT	25	75	100
	III	Second Allied Course-I		Mathematical Statistics-I	4	3	EXT	25	75	100
	IV	NME - I		Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE - I		Combinatorics	2	2	EXT	25	75	100
TOTAL					30	23				700

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
IV	I	Language - IV		Course - IV	6	3	EXT	25	75	100
	II	English - IV		Course - IV	6	3	EXT	25	75	100
	III	Core Course -VII		Modern Algebra - II	6	5	EXT	25	75	100
	III	Second Allied Course - II		Mathematical Statistics - II	4+2	3	EXT	25	75	100
	III	Second Allied Practical		<b>Practical:</b> Excel Lab for Mathematical Statistics	2	3	INT	40	60	100
	IV	NME -II		Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE - II		Financial Mathematics	2	2	EXT	25	75	100
	<b>TOTAL</b>				<b>30</b>	<b>21</b>				<b>700</b>

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
V	III	Core Course - VIII		Real Analysis - I	5+2	5	EXT	25	75	100
	III	Core Course - IX		Statics	5+2	5	EXT	25	75	100
	III	Core Course - X		Differential Equations and Fourier Transforms	5+2	5	EXT	25	75	100
	III	MBE - I		Graph Theory	5	4	EXT	25	75	100
	IV	SBE - III		<b>Practical:</b> MAT LAB	2	2	INT	40	60	100
	IV	SSD		Soft Skill Development	2	2	INT	25	75	100
	<b>TOTAL</b>				<b>30</b>	<b>23</b>				<b>600</b>

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
VI	III	Core Course - XI		Real Analysis - II	6	5	EXT	25	75	100
	III	Core Course - XII		Complex Analysis	5	5	EXT	25	75	100
	III	Core Course - XIII		Dynamics	5	5	EXT	25	75	100
	III	MBE - II		Operations Research	5	4	EXT	25	75	100
	III	MBE - III		Number Theory	5	4	EXT	25	75	100
	III	Project		Group Project	3	3	EXT	-	-	100
	V	GS		Gender Studies	1	1	INT	25	75	100
	V	Extension		Extension Activity	-	1	INT	-	-	100
				Total	30	28				800
	Grand Total				180	140				4100