



SREE AYYAPPA COLLEGE FOR WOMEN
(Re-accredited with B Grade by NAAC)
Chunkankadai, Nagercoil

Department of Mathematics
(2018-2024)

Courses Offered: B. Sc
Programme: Mathematics

B. Sc Mathematics
Subject Code Details

Batch	Subject Code
2019-2022	S Code
2020-2023	A Code
2021-2024	S Code
2022-2025	S Code
2023-2026	E Code

B. Sc Mathematics
Subject Code Details

Year	I B. Sc Mathematics	II B. Sc Mathematics	III B. Sc Mathematics
2018-2019	S Code	S Code	J Code
2019-2020	S Code	S Code	S Code
2020-2021	A Code	S Code	S Code
2021-2022	C Code	A Code	S Code
2022-2023	C Code	C Code	A Code
2023-2024	E Code	C Code	C Code

Academic Year: 2023-2024

(Odd Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	E1TL11 / EMY11 / E1HD11	4
	Part II- Communication English	E2EN11	4
	Core 1- Classical Algebra	EMMA11	4
	Core 2 - Calculus	EMMA12	4
	Allied Physics Physics I	EAPH11	3
	Allied Physics Practical I	EAPHP1	1
	Skill Based Paper- Mathematics for Competitive Exam I	ESMA11	2
	Foundation Course – Bridge Mathematics	CAMA11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL11 / C1MY21 / C1HD21	4
	Part II- Communication English	C1EN31	4
	Core 1 – Sequence and Series	CMMA31	4
	Core 2 – Allied Statistics I	CAST11	4
	Skill Based Paper – Vector Calculus	CSMA3A	4
	Non-Major – Food Chemistry	CNCH3A	2
	Common Paper - Yoga	CYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra I	CMMA51	4
	Real Analysis I	CMMA52	4
	Statics	CMMA53	4
	Fourier Transforms and Transforms Integral Transforms	CMMA54	4
	Major Elective I – Discrete Mathematics	CMMA5B	4
	Major Elective II – Operation Research I	CEMA5D	4
	Common Skill Based Paper - Personality Development	CCSB5A	2

Academic Year: 2022-2023

(Odd Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL11 / CMY11 / C1HD11	4
	Part II- General English	C2EN11	4
	Core I- Calculus & Classical Algebra	CMMA11	4
	Professional English for Physical Sciences I	CPPS11	4
	Allied Physics Physics I	CAPH11	3
	Allied Physics Practical I	CAPHP1	1
	Part IV - Common Paper – Environmental Studies	CEVS11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL11 / C1MY21 / C1HD21	4
	Part II- General English	C1EN31	4
	Core 1 – Sequence and Series	CMMA31	4
	Core 2 – Allied Statistics I	CAST11	4
	Skill Based Paper – Vector Calculus	CSMA3A	4
	Non-Major – Food Chemistry	CNCH3A	2
	Arimuga Tamil I	CNTL3A	2
	Common Paper - Yoga	CYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra II	AMMA51	4
	Real Analysis II	AMMA52	4
	Statics	AMMA53	4
	Transforms and its Applications	AMMA54	4
	Major Elective I – Discrete Mathematics	AMMA5B	4
	Major Elective II – Operation Research I	AEMA5D	4
	Common Skill Based Paper - Personality Development	ACSB5A	2

Academic Year: 2022-2023

(Even Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
II	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL21 / C1MY21 / C1HD21	4
	Part II- General English	C2EN21	4
	Core 1- Analytical Geometry of 3D & Differential Equations	CMMA21	4
	Professional English for Physical Sciences II	CPPS21	4
	Allied Physics Physics II	CAPH21	3
	Allied Physics Practical II	CAPH2P	1
	Part IV - Common Paper – Value Based Education	CVBE21	2


II B. Sc Mathematics

IV	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL41 / C1MY41 / C1HD31	4
	Part II- General English	C1EN41	4
	Core 1 – Abstract Algebra I	CMMA41	4
	Core 2 – Allied Statistics II	CAST21	4
	Skill Based Paper – Trigonometry, Laplace Transforms and Fourier Series	CSMA4A	4
	Non-Major – Applied Chemistry	CNCH4A	2
	Arimuga Tamil II	CNTL4A	2
	Common Paper – Computer for Digital Era	CCDE4A	2
	Extension Activity – NSS, Sports	C5EA41	1

III B. Sc Mathematics

VI	Complex Analysis	AMMA61	4
	Graph Theory	AMMA62	4
	Number Theory	AMMA63	4
	Dynamics	AMMA64	4
	Numerical Methods	AMMA65	4
	Major Elective I – Fuzzy Mathematics	AEMA6A	4
	Nan Mudhalvan - Project Data Analysis with Tableau		



K.R. 
Head of the Department

Academic Year: 2021-2022

(Odd Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL11 / CMY11 / C1HD11	4
	Part II- General English	C2EN11	4
	Core I- Calculus & Classical Algebra	CMMA11	4
	Professional English for Physical Sciences I	CPPS11	4
	Allied Physics Physics I	CAPH11	3
	Allied Physics Practical I	CAPHP1	1
	Part IV - Common Paper – Environmental Studies	CEVS11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	A1TL11 / A1MY21 / A1HD21	4
	Part II- General English	A1EN31	4
	Core 1 – Sequence and Series	AMMA31	4
	Core 2 – Allied Statistics I	AAST11	4
	Skill Based Paper – Vector Calculus	ASMA3A	4
	Non-Major – Food Chemistry	ANCH3A	2
	Arimuga Tamil I	ANTL3A	2
	Common Paper - Yoga	AYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra II	SMMA51	4
	Real Analysis II	SMMA52	4
	Statics	SMMA53	4
	Transforms and its Applications	SMMA54	4
	Major Elective I – Discrete Mathematics	SMMA5B	4
	Major Elective II – Operation Research I	SEMA5D	4
	Common Skill Based Paper - Personality Development	SCSB5A	2

Academic Year: 2021-2022

(Even Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
II	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	C1TL21 / C1MY21 / C1HD21	4
	Part II- General English	C2EN21	4
	Core 1- Analytical Geometry of 3D & Differential Equations	CMMA21	4
	Professional English for Physical Sciences II	CPPS21	4
	Allied Physics Physics II	CAPH21	3
	Allied Physics Practical II	CAPH2P	1
	Part IV - Common Paper – Value Based Education	CVBE21	2

II B. Sc Mathematics

IV	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	A1TL41 / A1MY41 / A1HD31	4
	Part II- General English	A1EN41	4
	Core 1 – Abstract Algebra I	AMMA41	4
	Core 2 – Allied Statistics II	AAST21	4
	Skill Based Paper – Trigonometry, Laplace Transforms and Fourier Series	ASMA4A	4
	Non-Major – Applied Chemistry	ANCH4A	2
	Arimuga Tamil II	ANTL4A	2
	Common Paper – Computer for Digital Era	ACDE4A	2
	Extension Activity – NSS, Sports	A5EA41	1

III B. Sc Mathematics

VI	Complex Analysis	SMMA61	4
	Graph Theory	SMMA62	4
	Number Theory	SMMA63	4
	Dynamics	SMMA64	4
	Numerical Methods	SMMA65	4
	Major Elective I – Fuzzy Mathematics	SEMA6A	4
	Major Elective II – Operation Research II	SEMA6D	4



E.R. 

Head of the Department

Academic Year: 2020-2021

(Odd Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	A1TL11 / AMY11 / A1HD11	4
	Part II- General English	A2EN11	4
	Core 1- Calculus & Classical Algebra	AMMA11	4
	Professional English for Physical Sciences I	APPS11	4
	Allied Physics Physics I	AAPH11	3
	Allied Physics Practical I	AAPHP1	1
	Part IV - Common Paper – Environmental Studies	AEVS11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL11 / S1MY21 / S1HD21	4
	Part II- General English	S1EN31	4
	Core 1 – Real Analysis I	SMMA31	4
	Core 2 – Allied Statistics I	SAST11	4
	Skill Based Paper – Vector Calculus	SSMA3A	4
	Non-Major – Food Chemistry	SNCH3A	2
	Arimuga Tamil I	SNTL3A	2
	Common Paper - Yoga	SYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra II	SMMA51	4
	Real Analysis II	SMMA52	4
	Statics	SMMA53	4
	Transforms and its Applications	SMMA54	4
	Major Elective I – Discrete Mathematics	SMMA5B	4
	Major Elective II – Operation Research I	SEMA5D	4
	Common Skill Based Paper - Personality Development	SCSB5A	2

Academic Year: 2020-2021

(Even Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
II	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	A1TL21 / A1MY21 / A1HD21	4
	Part II- General English	A2EN21	4
	Core 1- Analytical Geometry of 3D & Differential Equations	AMMA21	4
	Professional English for Physical Sciences II	APPS21	4
	Allied Physics Physics II	AAPH21	3
	Allied Physics Practical II	AAPH2P	1
	Part IV - Common Paper – Value Based Education	AVBE21	2

II B. Sc Mathematics

IV	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL41 / S1MY41 / S1HD31	4
	Part II- General English	S1EN41	4
	Core 1 – Abstract Algebra I	SMMA41	4
	Core 2 – Allied Statistics II	SAST21	4
	Skill Based Paper – Trigonometry, Laplace Transforms and Fourier Series	SSMA4A	4
	Non-Major – Applied Chemistry	SNCH4A	2
	Arimuga Tamil II	SNTL4A	2
	Common Paper – Computer for Digital Era	SCDE4A	2
	Extension Activity – NSS, Sports	S5EA41	1

III B. Sc Mathematics

VI	Complex Analysis	SMMA61	4
	Graph Theory	SMMA62	4
	Number Theory	SMMA63	4
	Dynamics	SMMA64	4
	Numerical Methods	SMMA65	4
	Major Elective I – Fuzzy Mathematics	SEMA6A	4
	Major Elective II – Operation Research II	SEMA6D	4



K.R.

Head of the Department

Academic Year: 2019-2020**(Odd Semester)****I B. Sc Mathematics**

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL11 / SIMY11 / S1HD11	4
	Part II- General English	S2EN11	4
	Core 1- Calculus	SMMA11	4
	Core 2 – Classical Algebra	SMMA12	4
	Allied Physics Physics I	SAPH11	3
	Allied Physics Practical I	SAPHP1	1
	Part IV - Common Paper – Environmental Studies	SEVS11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL11 / SIMY21 / S1HD21	4
	Part II- General English	S2EN31	4
	Core 1 – Real Analysis I	SMMA31	4
	Core 2 – Allied Statistics I	SAST11	4
	Skill Based Paper – Vector Calculus	SSMA3A	4
	Non-Major – Food Chemistry	SNCH3A	2
	Arimuga Tamil I	SNTL3A	2
	Common Paper - Yoga	SYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra II	SMMA51	4
	Real Analysis II	SMMA52	4
	Statics	SMMA53	4
	Transforms and its Applications	SMMA54	4
	Major Elective I – Discrete Mathematics	SMMA5B	4
	Major Elective II – Operation Research I	SMMA5D	4
	Common Skill Based Paper - Personality Development	SCSB5A	2

Academic Year: 2018-2019

(Odd Semester)

Academic Year: 2019-2020

(Even Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
II	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL21 / S1MY21 / S1HD21	4
	Part II- General English	S2EN21	4
	Core 1- Analytical Geometry of 3D	SMMA21	4
	Core 2 – Differential Equations	SMMA22	4
	Allied Physics Physics II	SAPH21	3
	Allied Physics Practical II	SAPH2P	1
	Part IV - Common Paper – Value Based Education	SVBE21	2

II B. Sc Mathematics

IV	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL41 / S1MY41 / S1HD31	4
	Part II- General English	S1EN41	4
	Core 1 – Abstract Algebra I	SMMA41	4
	Core 2 – Allied Statistics II	SAST21	4
	Skill Based Paper – Trigonometry, Laplace Transforms and Fourier Series	SSMA4A	4
	Non-Major – Applied Chemistry	SNCH4A	2
	Arimuga Tamil II	SNTL4A	2
	Common Paper – Computer for Digital Era	SCDE4A	2
	Extension Activity – NSS, Sports	S5EA41	1

III B. Sc Mathematics

VI	Complex Analysis	JMMA61	4
	Graph Theory	JMMA62	4
	Number Theory	JMMA63	4
	Dynamics	JMMA64	4
	Numerical Methods	JMMA65	4
	Major Elective I – Fuzzy Mathematics	JEMA6A	4
	Major Elective II – Operation Research II	JEMA6D	4



K.R. *[Signature]*

Head of the Department

Academic Year: 2018-2019

(Odd Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
I	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL11 / S1MY11 / S1HD11	4
	Part II- General English	S2EN11	4
	Core 1- Calculus	SMMA11	4
	Core 2 – Classical Algebra	SMMA12	4
	Allied Physics Physics I	SAPH11	3
	Allied Physics Practical I	SAPHP1	1
	Part IV - Common Paper – Environmental Studies	SEVS11	2

II B. Sc Mathematics

III	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL11 / S1MY21 / S1HD21	4
	Part II- General English	S2EN31	4
	Core 1 – Real Analysis I	SMMA31	4
	Core 2 – Allied Statistics I	SAST11	4
	Skill Based Paper – Vector Calculus	SSMA3A	4
	Non-Major – Food Chemistry	SNCH3A	2
	Arimuga Tamil I	SNTL3A	2
	Common Paper - Yoga	SYOG3A	2

III B. Sc Mathematics

V	Abstract Algebra	JMMA51	4
	Real Analysis II	JMMA52	
	Mechanics	JMMA53	4
	Major Elective I – Discrete Mathematics	JMMA5B	4
	Major Elective II – Operation Research I	JMMA5D	4
	Common Skill Based Paper - Personality Development	JCSB5A	2

Academic Year: 2018-2019

(Even Semester)

I B. Sc Mathematics

Semester	Subject	Subject Code	Credits
II	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL21 / S1MY21 / S1HD21	4
	Part II- General English	S2EN21	4
	Core 1- Analytical Geometry of 3D	SMMA21	4
	Core 2 – Differential Equations	SMMA22	4
	Allied Physics Physics II	SAPH21	3
	Allied Physics Practical II	SAPH2P	1
	Part IV - Common Paper – Value Based Education	SVBE21	2

II B. Sc Mathematics

IV	Part I – Tamil - Pothu Tamil / Malayalam-Malayala Kavitha / Hindi	S1TL41 / S1MY41 / S1HD31	4
	Part II- General English	S1EN41	4
	Core 1 – Abstract Algebra I	SMMA41	4
	Core 2 – Allied Statistics II	SAST21	4
	Skill Based Paper – Trigonometry, Laplace Transforms and Fourier Series	SSMA4A	4
	Non-Major – Applied Chemistry	SNCH4A	2
	Arimuga Tamil II	SNTL4A	2
	Common Paper – Computer for Digital Era	SCDE4A	2
	Extension Activity – NSS, Sports	S5EA41	1

III B. Sc Mathematics

VI	Complex Analysis	JMMA61	4
	Graph Theory	JMMA62	4
	Number Theory	JMMA63	4
	Dynamics	JMMA64	4
	Numerical Methods	JMMA65	4
	Major Elective I – Fuzzy Mathematics	JEMA6A	4
	Major Elective II – Operation Research II	JEMA6D	4



K.R. 
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