

KUNTHAVAI NAACCHIYAAR GOVT. ARTS COLLEGE FOR WOMEN(AUTONOMOUS),

THANJAVUR -07

DEPARTMENT OF MATHEMATICS

MINUTES FOR UG INTERNAL BOARD OF STUDIES - 2025 – 2026

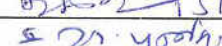
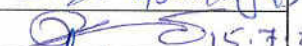
UG - Mathematics Board of Studies meeting is held internally in the department of Mathematics on **15.07.2025** at **10.00 am** . Naan Mudhalvan syllabus for the students admitted from **2023-2024** and **2024- 2025** onwards respectively. The following corrections were carried out.

In the academic year 2025-26, **V semester**, NM course **Career Skill Enhancement and Employability Readiness (23K5NM)** with **Two credits** was introduced newly and this **(23K5NMOM) –Operations Research** is an optional paper for the students who doesn't write the NM course with the new course. Then **Two hour** taken from **Core Paper -23K5M12PW** and given to NM Course.

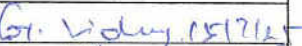
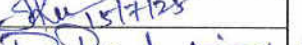
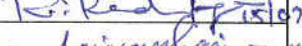
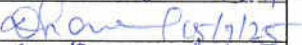
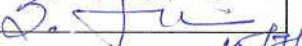
In **Semester III**, NM course **Foundation of Digital Marketing (23K3NM)** was introduced newly. For this course, instead of **Mathematics For Competitive Examinations – III (23K3MSEC5)** which is also an optional paper for the students who doesn't write the NM course with the new course code **23K3NMOM – Mathematics For competitive Examinations – III**.

Board of Studies members appeared in the Discussion are given below.

Regular Staffs:

S.No.	Name	Designation	Signature
1	Dr. S. Indrakala	Head & Associate Professor	
2	Dr. M. Anusuya	Assistant Professor	
3	Dr. T. Geetha	Associate Professor	
4	Dr. R. Punithavathi	Assistant Professor	
5	Dr. D. Gomathi	Assistant Professor	
6	Dr.S. Kavitha	Assistant Professor	

Guest Lecturers:

S.No.	Name	Designation	Signature
1	Dr. N. Vanitha	Guest Lecturer	
2	Dr. G. Vidhya	Guest Lecturer	
3	Dr. D. Thamaraiselvi	Guest Lecturer	
4	Dr. M. Goperundeivi	Guest Lecturer	
5	Dr.K. Karthika	Guest Lecturer	
6	Dr.R. Padmapriya	Guest Lecturer	
7	Dr.C.Arivazhagi	Guest Lecturer	
8	Dr.M.Senbagavalli	Guest Lecturer	
9	Dr. K. Karpagavalli	Guest Lecturer	
10	Mrs. M. Lakshmi	Guest Lecturer	
11	Mrs. S. Dhanalakshmi	Guest Lecturer	
12	Dr.U. Ramya Devi	Guest Lecturer	
13	Dr.S.Jeevitha	Guest Lecturer	


Head of the Department

Controller of Examinations


Principal



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS - COURSE STRUCTURE UNDER CBCS

Batch - I 2025-26

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	6	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
	IV	SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
				Total	30	23		200	600	800
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECS4:1	Statistics for Mathematics- I	4	4	3	25	75	100
			23K3MECS4:2	Mathematics and Financial Statistics						
	III	EC 5		Statistics for Mathematics- II	2					
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	SEC 5	23K3MSEC5	Mathematics For Competitive Examinations - III	2	2	3	25	75	100
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECS5P	Statistics for Mathematics- II Practical	2	2	3	40	60	100
	III	EC 6	23K4MECS6:1	Statistics for Mathematics - III	4	3	3	25	75	100
			23K4MECS6:2	Actuarial Statistics						
	III	SEC 6	23K4MSEC6	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 7	23K4MSEC7	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		240	585	900
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	26		125	475	600
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 8	23K6MSEC8	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
				Total	30	25		150	450	600
GRAND TOTAL					180	141		1090	3085	4300

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Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 6	23K4MSEC6	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 7	23K4MSEC7	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
23K4MECC3:2			MOOC(Value Added Course)*							
			Total	30	24		225	585	900	
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
			Total	30	26		125	475	600	
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 8	23K6MSEC8	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
			Total	30	25		150	450	600	
GRAND TOTAL					180	141		1090	3085	4300



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7
B.Sc MATHEMATICS (BATCH I) - COURSE STRUCTURE UNDER CBCS
Batch - II 2025-26

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	6	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
	IV	SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
				Total	30	23		200	600	800
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	SEC 5	23K3MSEC5	Mathematics For Competitive Examinations - III	2	2	3	25	75	100
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS (BATCH I) - COURSE STRUCTURE UNDER CBCS

Batch - III 2025-26

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECM1:1	Allied Mathematics - I	4	4	3	25	75	100
			23K1MECM1:2	Discrete Mathematics						
	III	EC 2		Allied Mathematics - Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	6	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECM2P	Allied Mathematics - Practical	2	2	3	40	60	100
	III	EC 3	23K2MECM3:1	Allied Mathematics - II	4	3	3	25	75	100
			23K2MECM3:2	Mathematical Statistics						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
	IV	SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
				Total	30	23		215	585	800
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	SEC 5	23K3MSEC5	Mathematics For Competitive Examinations - III	2	2	3	25	75	100
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 6	23K4MSEC6	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 7	23K4MSEC7	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		225	585	900
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Optimization Techniques						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	26		125	475	600
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 8	23K6MSEC8	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
Total					30	25		150	450	600
GRAND TOTAL					180	141		1090	3085	4300

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K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS (BATCH I) - COURSE STRUCTURE UNDER CBCS

Batch - I 2024-25

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	4	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
	IV	SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECS4:1	Statistics for Mathematics- I	4	4	3	25	75	100
			23K3MECS4:2	Mathematics and Financial Statistics						
	III	EC 5		Statistics for Mathematics- II	2					
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Foundation of Digital Marketing	2	2		25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III			3			
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				

8. 26/10/24

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	175	375	700
								IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECS5P	Statistics for Mathematics- II Practical	2	2	3	40	60	100
	III	EC 6	23K4MECS6:1	Statistics for Mathematics - III	4	3	3	25	75	100
			23K4MECS6:2	Actuarial Statistics						
	III	SEC 5	23K4MSEC5	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 6	23K4MSEC6	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		240	585	900
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	26		125	475	600
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 7	23K6MSEC7	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
				Total	30	25		150	450	600
GRAND TOTAL					180	143		1115	3160	4400

8.8 from 15/02/2022



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS (BATCH I) - COURSE STRUCTURE UNDER CBCS

Batch - II 2024-25

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	4	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
		SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Foundation of Digital Marketing	2	2		25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III			3			
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*						
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 5	23K4MSEC5	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 6	23K4MSEC6	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		225	585	900
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	26		125	475	600
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 7	23K6MSEC7	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
				Total	30	25		150	450	600
GRAND TOTAL					100	143		1115	3160	4400

B.B. Ashok



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7
B.Sc MATHEMATICS (BATCH I) - COURSE STRUCTURE UNDER CBCS
Batch - III 2024-25

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECM1:1	Allied Mathematics - I	4	4	3	25	75	100
			23K1MECM1:2	Discrete Mathematics						
	III	EC 2		Allied Mathematics - Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	6	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECM2P	Allied Mathematics - Practical	2	2	3	40	60	100
	III	EC 3	23K2MECM3:1	Allied Mathematics - II	4	3	3	25	75	100
			23K2MECM3:2	Mathematical Statistics						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
		SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Foundation of digital Marketing	2	2	3	25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III						
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 5	23K4MSEC5	Mathematics For Competitive Examinations - IV	2	2	3	25	75	100
	IV	SEC 6	23K4MSEC6	LaTeX Practical	2	2	3	25	75	100
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		240	585	900
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	6	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Optimization Techniques						
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	26		125	475	600
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	7	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 7	23K6MSEC7	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
				Total	30	25		150	450	600
				GRAND TOTAL	102	143		1115	3160	4400

6.8.2020

Title of the Course		MATHEMATICS FOR COMPETITIVE EXAMINATION – III					
Paper Number		NM					
Category	SEC	Year	II	Credits	2	Course Code	23K3NMOM
		Semester	III				
Instructional Hours Per week		Lecture	Tutorial		Lab Practice		Total
		2	-		-		2
Pre- requisite		12 th Standard Mathematics					
Objective of the Course		• Remembering the concept of Logarithms. • Understanding the concept of Simple Interest – Compound Interest. • Analyzing the concepts of Stocks and Shares.					
Course Outline		UNIT – I Simple Interest – Compound Interest.(Chap – 21 & 22)					
		UNIT – II Logarithms - Area.(Chap – 23 & 24)					
		UNIT – III Volume & Surface Areas – Races & Games of Skill. (Chap – 25 & 26)					
		UNIT – IV Calendar - Clocks.(Chap – 27 & 28)					
		UNIT – V Stocks & Shares.(Chap – 29)					
Skills acquired from this course		Knowledge, Problem Solving, Analytical ability, Professional Competency, Professional Communication and Transferrable Skill.					
Recommended Text		1. R.S. Aggarwal, Quantitative Aptitude for Competitive Examinations, S.Chand co Ltd., 152. Anna Salai, Chennai,2010					
Reference Books		1. Quantitative Aptitude ‘’by Abhijit Guha, Tata McGraw Hill Publishing Company Limited, New Delhi (2005)					
Website and e – Learning Source		https://nptel.ac.in					

Question Paper Pattern: 75 Objective type questions each carrying 1 Mark.

B. B. Singh

Course Learning Outcome (for Mapping with POs and PSOs)

Students will be able to

CLO 1 : Explain in detail about Simple Interest and Compound Interest.

CLO 2 : Explain Logarithms and Area.

CLO 3 : Explain Volume & Surface Areas and Races & Games of Skill.

CLO 4 : Explain Calendar and Clocks.

CLO 5 : Explain Stocks & Shares.

	Pos						PSOs		
	1	2	3	4	5	6	1	2	3
CLO1	3	1	3	-	-	-	3	2	1
CLO2	2	1	3	1	-	-	3	2	1
CLO3	3	1	3	1	-	-	3	2	1
CLO4	3	1	3	-	-	-	3	2	1
CLO5	3	1	3	-	-	-	3	2	1



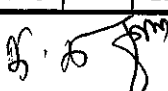
K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS - COURSE STRUCTURE UNDER CBCS

Batch - I 2023-24

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	4	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
	IV	SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECS4:1	Statistics for Mathematics- I	4	4	3	25	75	100
			23K3MECS4:2	Mathematics and Financial Statistics						
	III	EC 5		Statistics for Mathematics- II	2					
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Digital Skills for Employability	2	2	-	25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III			3			
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*						
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECS5P	Statistics for Mathematics- II Practical	2	2	3	40	60	100
	III	EC 6	23K4MECS6:1	Statistics for Mathematics - III	4	3	3	25	75	100
			23K4MECS6:2	Actuarial Statistics						
	III	SEC 5	23K4MSEC5P	LaTeX Practical	2	2	3	25	75	100
	IV	NM	23K4NMM/P/S	PowerBI	2	2	3	25	75	100
			23K4NMOM	Mathematics for Competitive Examinations - IV						
V	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
				Total	30	24		240	585	900
	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	4	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
VI	IV	NM	23K5NM	Career Skill Enhancement and Employability Readiness	2	2	-	25	75	100
			23K5NMOM	Operations Research			3			
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	28		150	550	700
	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
VI	IV	SEC 6	23K6MSEC6	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
				Total	30	25		150	450	600
				GRAND TOTAL	180	145		1140	3235	4500



 15/10/2023



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS - COURSE STRUCTURE UNDER CBCS

Batch - II 2023-24

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECP1:1	Allied Physics - I	4	4	3	25	75	100
			23K1MECP1:2	Applied Physics - I						
	III	EC 2		Allied Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	4	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECP2P	Allied Practical	2	2	3	25	75	100
	III	EC 3	23K2MECP3:1	Allied Physics - II	4	3	3	25	75	100
			23K2MECP3:2	Applied Physics - II						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
		SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Digital Skills for Employability	2	2	-	25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III			3			
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700

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Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 5	23K4MSEC5P	LaTeX Practical	2	2	3	25	75	100
	IV	NM	23K4NMM/P/S	PowerBI	2	2	3	25	75	100
			23K4NMOM	Mathematics For Competitive Examinations - IV						
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
23K4MECC3:2			MOOC(Value Added Course)*							
			Total	30	24		225	585	900	
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	4	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Numerical Methods with Applications						
	IV	NM	23K5NM	Career Skill Enhancement and Employability Readiness	2	2	-	25	75	100
			23K5NMOM	Operations Research			3			
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer Internship/ Industrial Training		2				
				Total	30	28		150	550	700
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	6	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 6	23K6MSEC6	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
Total				30	25		150	450	600	
GRAND TOTAL					180	145		1140	3235	4500

15/03/2025



K. N. GOVT. ARTS COLLEGE FOR WOMEN (AUTONOMOUS), THANJAVUR - 7

B.Sc MATHEMATICS - COURSE STRUCTURE UNDER CBCS

Batch - III 2023-24

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
I	I	LC 1	23K1T1	Tamil - I	6	3	3	25	75	100
	II	ELC 1	23K1E1	English - I	6	3	3	25	75	100
	III	CC 1	23K1M01	Algebra and Trigonometry	5	5	3	25	75	100
	III	CC 2	23K1M02	Differential Calculus	3	3	3	25	75	100
	III	EC 1	23K1MECM1:1	Allied Mathematics - I	4	4	3	25	75	100
			23K1MECM1:2	Discrete Mathematics						
	III	EC 2		Allied Mathematics - Practical	2					
	IV	SEC 1	23K1MSEC1	Mathematics For Competitive Examinations - I	2	2	3	25	75	100
	IV	FC	23K1MFC	Bridge Mathematics	2	2	3	25	75	100
				Total	30	22		175	525	700
II	I	LC 2	23K2T2	Tamil - II	6	3	3	25	75	100
	II	ELC 2	23K2E2	English - II	6	3	3	25	75	100
	III	CC 3	23K2M03	Analytical Geometry(Two and Three Dimensions)	5	5	3	25	75	100
	III	CC 4	23K2M04	Integral Calculus	3	3	3	25	75	100
	III	EC 2	23K2MECM2P	Allied Mathematics - Practical	2	2	3	40	60	100
	III	EC 3	23K2MECM3:1	Allied Mathematics - II	4	3	3	25	75	100
			23K2MECM3:2	Mathematical Statistics						
	IV	SEC 2	23K2MSEC2	Mathematics For Competitive Examinations - II	2	2	3	25	75	100
		SEC 3	23K2MSEC3	Computational Mathematics	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
			23K2NMOM	Introduction to LATEX			3			
				Total	30	25		225	675	900
III	I	LC 3	23K3T3	Tamil - III	6	3	3	25	75	100
	II	ELC 3	23K3E3	English - III	6	3	3	25	75	100
	III	CC 5	23K3M05	Vector Calculus and its Applications	5	5	3	25	75	100
	III	CC 6	23K3M06	Differential Equations and its Applications	3	3	3	25	75	100
	III	EC 4	23K3MECCS4:1	Introduction to Data Science	4	4	3	25	75	100
			23K3MECCS4:2	Robotics and its Applications						
	III	EC 5		Big Data Analysis	2					
				IOT and its Applications						
	IV	SEC 4	23K3MSEC4	Statistics with Excel Programming	1	1	3	25	75	100
	IV	NM	23K3NM	Digital Skills for Employability	2	2	-	25	75	100
			23K3NMOM	Mathematics For Competitive Examinations - III			3			
	V	EVS		Environmental Studies	1					
	IV	ECC1	23K3MECC1:1	Quantitative Aptitude - I*		3*	3		100	100
			23K3MECC1:2	MOOC(Value Added Course)*						
		ECC2	23K3MECC2	Foundation Mathematics*		4*				
				Total	30	21		175	375	700

Semester	Part	Course	Sub. Code	Title of the Course	Inst.Hrs	Credits	Exam Hrs	IA	EE	Total
IV	I	LC 4	23K4T4	Tamil - IV	6	3	3	25	75	100
	II	ELC 4	23K4E4	English - IV	6	3	3	25	75	100
	III	CC 7	23K4M07	Industrial Statistics	4	4	3	25	75	100
	III	CC 8	23K4M08	Elements of Mathematical Analysis	3	3	3	25	75	100
	III	EC 5	23K4MECCS5:1	Big Data Analytics	2	2	3	25	75	100
			23K4MECCS5:2	IOT and its Applications						
	III	EC 6	23K4MECCS6:1	Cryptography	4	3	3	25	75	100
			23K4MECCS6:2	Image Processing						
	III	SEC 5	23K4MSEC5P	LaTeX Practical	2	2	3	25	75	100
	IV	NM	23K4NMM/P/S	PowerBI	2	2	3	25	75	100
			23K4NMOM	Mathematics For Competitive Examinations - IV						
	V	EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
	IV	ECC3	23K4MECC3:1	Quantitative Aptitude - II*		3*	3		100	100
			23K4MECC3:2	MOOC(Value Added Course)*						
			Total	30	24		240	585	900	
V	III	CC 9	23K5M09	Abstract Algebra	6	5	3	25	75	100
	III	CC 10	23K5M10	Real Analysis	6	5	3	25	75	100
	III	CC 11	23K5M11	Mathematical Modelling	6	5	3	25	75	100
	III	CC 12	23K5M12PW	Project with Viva voce	4	4	3		100	100
	IV	EC 7	23K5MECM7:1	Number Theory	4	3	3	25	75	100
			23K5MECM7:2	Optimization Techniques						
	IV	NM	23K5NM	Career Skill Enhancement and Employability Readiness	2	2	-	25	75	100
			23K5NMOM	Operations Research			3			
	V	VE	23K5VE	Value Education Yoga - I	2	2	3	25	75	100
			23K5I	Summer internship/ Industrial Training		2				
			Total	30	28		150	550	700	
VI	III	CC 13	23K6M13	Linear Algebra	7	6	3	25	75	100
	III	CC 14	23K6M14	Complex Analysis	7	6	3	25	75	100
	III	CC 15	23K6M15	Mechanics	7	6	3	25	75	100
	III	EC 8	23K6MECM8:1	Graph Theory with Applications	7	3	3	25	75	100
			23K6MECM8:2	Difference Equations with Applications						
	IV	SEC 6	23K6MSEC6	Statistics with R Programming	2	2	3	25	75	100
	V	GS	23K6GS	Gender Studies	1	1	3	25	75	100
			23K6EA	Extension Activity		1				
Total					30	25		150	450	600
GRAND TOTAL					180	145		1140	3235	4500

6. 8 8/10/2024

SEMESTER : V

Inst Hour	: 2
Credit	: 2
Code	: 23K5NMOM

OPERATIONS RESEARCH

UNIT – 1:

Introduction – Basic Terminologies - Construction of Network.

Chapter 15 (Section : 15.1, 15.2, 15.3)

UNIT – 2:

Network Computations and Critical Path - Floats.

Chapter 15 (Section : 15.4 – 15.5)

UNIT – 3:

PERT method

Chapter 15 (Section : 15.6)

UNIT – 4:

Inventory Models – Introduction – Types of Inventory – Reasons for Maintaining Inventory – Cost Inventory – Variable Inventory – Lead Time – Re Order Level (ROL).

Chapter 12 (Section : 12.1 – 12.6)

UNIT – 5:

Deterministic Inventory models.

Chapter 12 (Section : 12.7) (Model I only)

Text Book:

[1] Prof. V. Sundaresan, Prof. K.S. Ganapathy Subramanian, Prof. K. Ganesan, Resource Management and Techniques, A.R. Publications, Fourth Edition, 2007.

Books for Reference:

[1] Operations Research by Kanti Swarup, Gupta.P.K & Manmohan. (8th edition)

[2] Problems in Operational Research by Gupta.P.K. & Manmohan.

[3] Operational Research by Hamdy A.Taha (3rd Edition).

B. B. J. S. J. S. J. S.

Title of the Course		PROJECT WITH VIVA VOCE					
Paper Number		CC 12					
Category	Core	Year	III	Credits	4	Course Code	23K5M12PW
		Semester	V				
Instructional Hours per week		Lecture	Tutorial	Lab Practice		Total	
		4	-	--		4	

KUNTHAVAI NAACCHIYAAR GOVT. ARTS COLLEGE FOR WOMEN, THANJAVUR – 07

DEPARTMENT OF MATHEMATICS

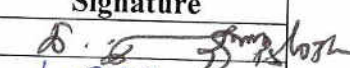
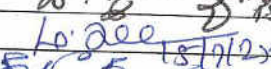
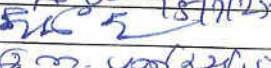
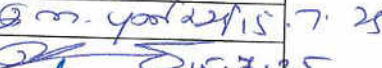
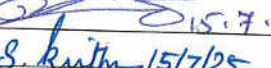
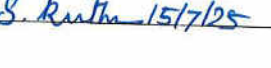
Minutes of P.G Board of Studies on 15.07.2025

Board of Studies meeting is held in the Department of Mathematics, on 15.07.2025 at 10.00 am for PG Course.

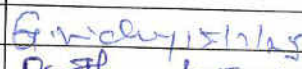
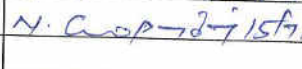
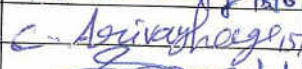
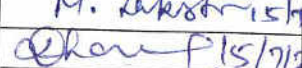
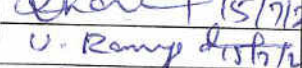
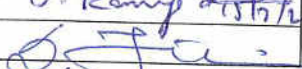
The members of the Board of Studies discussed the contents of the PG Syllabus and no changes were made.

Board of Studies members appeared in the Discussion are given below.

Regular Staffs:

S.No.	Name	Designation	Signature
1	Dr. S. Indrakala	Head & Associate Professor	
2	Dr. M. Anusuya	Assistant Professor	
3	Dr. T. Geetha	Associate Professor	
4	Dr. R. Punithavathi	Assistant Professor	
5	Dr. D. Gomathi	Assistant Professor	
6	Dr.S. Kavitha	Assistant Professor	

Guest Lecturers:

S.No.	Name	Designation	Signature
1	Dr. N. Vanitha	Guest Lecturer	
2	Dr. G. Vidhya	Guest Lecturer	
3	Dr. D. Thamaraiselvi	Guest Lecturer	
4	Dr. M. Goperundevi	Guest Lecturer	
5	Dr.K. Karthika	Guest Lecturer	
6	Dr.R. Padmapriya	Guest Lecturer	
7	Dr.C.Arivazhagi	Guest Lecturer	
8	Dr.M.Senbagavalli	Guest Lecturer	
9	Dr. K. Karpagavalli	Guest Lecturer	
10	Mrs. M. Lakshmi	Guest Lecturer	
11	Mrs. S. Dhanalakshmi	Guest Lecturer	
12	Dr.U. Ramya Devi	Guest Lecturer	
13	Dr.S.Jeevitha	Guest Lecturer	


Head of the Department

Controller of Examinations


Principal

M.Sc Mathematics Course CBSC Structure with OBE for the candidates admitted 2023–2024

8. 