

DEPARTMENT – MATHEMATICS

■ B.Sc. Maths Course Structure

NEHRU MEMORIAL COLLEGE (AUTONOMOUS)
UG Programme (Mathematics) – Course Structure CBCS
For the candidates admitted from 2019 – 2020 onwards

Sem	Part	Code	Title of Course	Hrs/Wk	Cr	Marks		
						Int.	Ext.	Tot.
I	I	19T101	LC I – Tamil I	6	3	25	75	100
	II	19H101	ELC II – English I	6	3	25	75	100
	III	19M101	CC I – Calculus	5	4	25	75	100
	III	19M102	CC II – Trigonometry and Algebra	4	4	25	75	100
	III	19M103A	AC I – Allied Physics I	4	4	25	75	100
	III	19M104L	AC II – Physics Lab*	3	-	-	-	-
	IV	19VE	VE – Value Education	2	2	25	75	100
	Extra Credit	19EXC1L	EXC I –GIMP Lab	3	2	-	100	100
	Total		7 +1	30 +3	20 +2	150	450 +100	600 +100
II	I	19T202	LC II – Tamil II	6	3	25	75	100
	II	19H202	ELC II – English II	6	3	25	75	100
	III	19M205	CC III – Differential Equations and its Applications	4	4	25	75	100
	III	19M206	CC IV – Laplace Transforms and Summation of Series	3	2	25	75	100
	III	19M104L	AC II – Physics Lab*	3	4	40	60	100
	III	19M207A	AC III – Allied Physics II	4	4	25	75	100
	IV	19XM21L	SKBC I – MS Office	2	2	25	75	100
	IV	19EVS	EVS – Environmental Studies	2	2	25	75	100
Extra Credit	19EXC2L	EXC II – Inkscape Lab	3	2	-	100	100	
	Total		8 +1	30 +3	24 +2	215	585 +100	800 +100
III	I	19T303	LC III – Tamil III	6	3	25	75	100
	II	19H303	ELC III – English III	6	3	25	75	100
	III	19M308	CC V – Analytical Solid Geometry	5	4	25	75	100
	III	19M309A	AC IV – Probability Theory	6	4	25	75	100
	III	19M310A	AC V – Statistical Methods	5	4	25	75	100
	IV	19XM32L	SKBC II – SCILAB	2	2	25	75	100
	IV	19GS	GS – Gender Studies	-	1	-	100	100
	Extra Credit	19EXC3	EXC III – Mathematics for Competitive Examinations	3	2	-	100	100
	Total		7 +1	30 +3	21 +2	150	550 +100	700 +100

Sem	Part	Code	Title of Course	Hrs/Wk	Cr	Marks		
						Int.	Ext.	Tot.
IV	I	19T404	LC IV – Tamil IV	6	3	25	75	100
	II	19H404	ELC IV – English IV	6	3	25	75	100
	III	19M411	CC VI – Vector Calculus , Fourier Series & Fourier Transforms	5	4	25	75	100
	III	19M412	CC VII- Numerical Methods	5	4	25	75	100
	III	19M413AL	AC VI – R Programming Lab	6	4	25	75	100
	IV	19M4N1	NMEC I – Quantitative Aptitude I	2	2	25	75	100
	IV	19SSC	SSC – Soft Skill Course	-	2	-	100	100
	Extra Credit	19EXC4L	EXC IV – LaTeX Lab	3	2	-	100	100
	Total		7 +1	30 +3	22 +2	150	550 +100	700 +100
V	III	19M514	CC VIII – Modern Algebra	6	5	25	75	100
	III	19M515	CC IX – Real Analysis I	6	5	25	75	100
	III	19M516	CC X – Mechanics	6	5	25	75	100
	III	19M517	CC XI – Graph Theory	5	4	25	75	100
	III	19M518**	EC I	5	5	25	75	100
	IV	19M5N2	NMEC II – Quantitative Aptitude II	2	2	25	75	100
	Extra Credit	19EXC5T/L	EXC V – Basic Accountancy	3	2	-	100	100
		Total		6 +1	30 +3	26 +2	150	450 +100
VI	III	19M619	CC XII – Real Analysis II	6	5	25	75	100
	III	19M620	CC XIII – Complex Analysis	6	5	25	75	100
	III	19M621	CC XIV- Discrete Mathematics	5	4	25	75	100
	III	19M622	CC XV – Mathematical Modeling	3	2	25	75	100
	III	19M623**	EC II	5	5	25	75	100
	III	19M624**	EC III	5	5	25	75	100
	V	19EA	Extension Activities	-	1	-	-	-
	Extra Credit	19EXC6	EXC VI – Group Project (Using C, C++)	3	2	50	50	100
		Total		7 +1	30 +3	27 +2	150 +50	450 +50
TOTAL			42 +6 +2	180 +18	140 +12 +6	965 +50	3035 +550 +200	4000 +600 +200

*Exam at the end of the academic year

****EC - Elective Courses:**

Sem.	Elective Code	Code	Course
V	EC I	19M518aT/L 19M518b	Programming in C with Lab Fuzzy Theory
VI	EC II	19M623a 19M623b	Operations Research Astronomy
	EC III	19M624aT/L 19M624b	Object Oriented Programming in C++ with Lab Number Theory