

# *Distribution of Syllabus for Mathematics Major & Minor Courses (Odd Semester)*

*From 2023-24 to 2026-27*

<b>Teachers →</b>	<b>PROF. S. KANJILAL</b>	<b>PROF. G. ADAK</b>	<b>DR. G. H. BERA</b>	<b>DR. R. BANERJEE</b>	<b>PROF. S. MANDAL</b>
<b>Semester ↓</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>
<b>Semester - I (Major)</b>	Geometry	Vector Analysis	C Language with Mathematical Applications	Calculus	C Language with Mathematical Applications
<b>Semester - III (Major)</b>	Group Theory, ODE(last block) & LPP[From transportation to end]	Real Analysis (Gr. A, Gr. C)	LPP [Upto post optimal analysis]	ODE (First 3 block)	Real Analysis (Gr. B)
<b>Semester - V (Honours)</b>	Mathematical Probability (CC11, Unit I, II, III) [40]; Graphical Demonstration(CC11) [5]	Statistics(CC11, Unit IV, V) [30]; Group Theory(CC12, Unit I) [35]	LPP (DSE-B(1), Unit I, II,III,IV up to Travelling Salesman) [60]; Game Theory (DSE-B(1), Unit IV) [15]	Bio Mathematics (DSE-A(1), Unit I, II) [55]; Graphical Demonstration (DSE-A(1)) [5];	Bio Mathematics (DSE-A(1), Unit I II) [15]; Linear Algebra(CC12, Unit II) [40]
<b>Semester - I (Minor)</b>		Vector Analysis	3D Geometry	Calculus	2D Geometry
<b>Semester - III (Minor &amp; MDC)</b>		Vector Analysis	3D Geometry	Calculus	2D Geometry
<b>Semester - V (General)</b>					

# *Distribution of Syllabus for Mathematics Major & Minor Courses (Even Semester)*

*From 2023-24 to 2026-27*

<b>Teachers→</b>	<b>PROF. S. KANJILAL</b>	<b>PROF. G. ADAK</b>	<b>DR. G. H. BERA</b>	<b>DR. R. BANERJEE</b>	<b>DR. S. MANDAL</b>
<b>Semester ↓</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>	<b>Alloted Syllabus</b>
<b>Semester - II (Major)</b>	Python Programming (SEC 2)	Symbolic Python & Latex (SEC 2)	Classical Algebra (CC2, Gr. A)	Relation, Mapping & Number Theory (CC2, Gr. B)	Linear Algebra (CC2, Gr. C)
<b>Semester - IV (Honours)</b>	Riemann & Improper integral(CC8, Unit I, II) [45]	Series of functions, Power Series & Fourier Series (CC8, Unit III) [30]; Multivariable Calculus (Multiple integral except Diff. Under integral sign)(CC9,Unit II) [15]	Scientific Computing with Sage Math(SEC B) [25]; Multivariable Calculus (Vector field to divergence theorem)(CC9,Unit II) [15]; Mechanics (CC10, Unit I, II) [25]	Scientific Computing with Sage Math(SEC B) [25]; PDE(CC9,Unit I) [40]; Multivariable Calculus (Diff. Under integral sign)(CC9,Unit II) [5]	Mechanics (CC10, Unit II, III, IV, V) [50]
<b>Semester - VI (Honours)</b>	Metric Spaces (CC13, Unit I) [40]; Mathematical Modelling (Queueing models & Overview of optimization modelling) (DSE-A(2), Unit II) [20]	Topology (DSE-B(2)) [75]	Complex Analysis (CC13, Unit II) [35]; Mathematical Modelling (DSE-A(2), Unit I) [30]	Numerical Analysis ( CC14, Unit IV, V) [20]; Practical( CC14, No-3,4,7) [20]; Mathematical Modelling (Simulation, Monte Carlo & Generating random numbers) (DSE-A(2), Unit II) [25]	Numerical Analysis ( CC14, Unit I, II, III, VI) [35]; Practical( CC14, No-1,2,5,6,8,9) [30]
<b>Semester - II (Minor &amp; IDC)</b>	Gr. A & Gr. B (IDC)	Gr. C, Gr. D & Gr. E (IDC)	Classical Algebra (CC2, Gr. A)	Relation, Mapping & Number Theory (CC2, Gr. B)	Linear Algebra (CC2, Gr. C)
<b>Semester - IV (General)</b>	Probability (CC4/GE4, Unit III ) [13]	Statistics(CC4/GE4, Unit III ) [12]	Algebra( CC4/GE4, Unit I) [10]	Computer Science and Programming (CC4/GE4, Unit II up to positional number system) [10]	Computer Science and Programming (CC4/GE4, Unit II, Programming language, algorithm and flow Chart) [15]
<b>Semester - VI (General)</b>					