

Maulana Azad College
Department of Mathematics
Lesson Plan 2019-20, Undergraduate Mathematics (Hons. & General)

Semester	Period of Semester	Tentative Dates of University Exam* (*Follow the latest notification by CU)	Name of the Faculty	Course Code	Paper Name	Brief Description of the Topics	No. of Lectures
Sem-2 (CC3)	Jan'20-Jun'20	Follow the latest notification by CU	Dr. Somnath Bandyopadhyay	CC3-(TH+TU)	Real Analysis	Unit-1: Real Numbers	30
						Unit-2: Real Sequence	30
						Unit-3: Infinite Series	10+5
Sem-2 (CC4)			Dr. Babli Saha	CC4-(TH+TU)	Group Theory-I	Unit-1: Group & Subgroup	30
						Unit-2: Cyclic Group	25
						Unit-3: Normal Subgroup	20
Sem-2 (GE)			Dr. Babli Saha	GE2-(TH+TU)	Mathematics GE2	Unit-1: Differential Calculus-II	15
			Dr. Kartik Chandra Basak	GE2-(TH+TU)	Mathematics GE2	Unit-2: Differential Equation-II	10
			Dr. Nanda Das	GE2-(TH+TU)	Mathematics GE2	Unit-3: Vector Algebra	10
			Dr. Somnath Bandyopadhyay	GE2-(TH+TU)	Mathematics GE2	Unit-4: Discrete Mathematics	30
Sem-4 (CC8)	Jan'20-Jun'20	Follow the latest notification by CU	Dr. Somnath Bandyopadhyay	CC8-(TH+TU)	Riemann Integration and Series of Functions	Unit-1: Riemann Integration	35
						Unit-3: Power Series	5
Sem-4 (CC9)			Dr. Babli Saha	CC8-(TH+TU)	Riemann Integration and Series of Functions.	Unit-2: Improper Integral	10
						Unit-3: Sequence of Functions, Series of Functions And Fourier Series.	25
Sem-4 (CC9)			Dr. Kartik Chandra Basak	CC9-(TH+TU)	PDE & Multivariate Calculus-II	Unit-1: Partial Differential Equation.	40
			Dr. Nanda Das	CC9-(TH+TU)	PDE & Multivariate Calculus-II	Unit-2: Multivariate Calculus-II	35
Sem-4 (CC10)			Dr. Kartik Chandra Basak	CC10-(TH+TU)	Mechanics	Unit-3: Kinematics of a Particle, Newton Laws of motion and Law of gravitation.	20
						Unit-4: Problems in particle dynamics, Planar motion of a particle, Motion of a particle in 3D.	20
			Dr. Nanda Das	CC10-(TH+TU)	Mechanics	Unit-1: Coplanar forces, Force system in space, Friction	15
						Unit-2: Virtual work, Stability of equilibrium.	10
Sem-4 (SEC-B)			Dr. Kartik Chandra Basak	SEC-B-TH	Scientific Computing with Sage Math.	Unit-5: Many particles system: Principle of (i) Linear momentum, (ii) Angular momentum. The Energy Principle.	30
						Numeric Computation, Plotting of functions, Programming and Applications.	
Sem-4 (GE)			Dr. Babli Saha	GE4-(TH+TU)	Mathematics GE4	Unit-1: Algebra-II (Vector Space)	10
			Dr. Somnath Bandyopadhyay	GE4-(TH+TU)	Mathematics GE4	Unit-1: Algebra-II (Group Theory, Ring and Field)	10
			Dr. Nanda Das	GE4-(TH+TU)	Mathematics GE4	Unit-2: Computer Science and Programming.	20
			D. Kartik Chandra Basak	GE4-(TH+TU)	Mathematics GE4	Unit-3: Probability and Statistics	25