1 # GOUR MOHAN SACHIN MANDAL MAHAVIDYALAYA

2 **Department : MathematicsYear: 1st year** **Session: 2015-2016**

Teacher Name : Balaram Paria				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Analytical Geometry of 2D	I-Module II Group-A	Transformation of Rectangular axes. General equation of second degree. Pair of straight lines.	July	06
Analytical Geometry of 2D	I-Module II Group-A	Pair of straight lines. Polar equation.	August	06
Analytical Geometry of 2D	I-Module II Group-A	Conic Sections. Pair of tangents. Poles and Polars.	September	06
Analytical Geometry of 2D	I-Module II Group-A	Tutorial / Revision	September	05
Analytical Geometry of 2D	I-Module II Group-B	Rectangular Cartesian Co-ordinates in 3D Space. Equation of Planes.	November	10
Analytical Geometry of 2D	I-Module II Group-B	Straight lines in 3D Space.	December	10
Vector Algebra	I-Module II Group-C	Addition, Multiplication by Scalar. Vector Product. Application of Vector Algebra. Vector Equations.	January	10
Vector Algebra	I-Module II Group-C	Tutorial/ Revision	February	10

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Teacher Name : Chanchal Mondal				

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Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Analysis I	II-Module III Group-A	Real Numbers System	July	10
Analysis I	II-Module III Group-A	Sets in Real Numbers	August	10
Analysis I	II-Module III Group-A	Sequence of real numbers	September	10
Evaluation of Integrals	II-Module III Group-B	Evaluation of integrals	November	10
Analysis I	II-Module III Group-A	Countability of sets	December	08
Analysis I	II-Module III Group-A	Continuity of real valued functions of a real variable, Tutorial.	January	10
Analysis I	II-Module III Group-A	Uniform continuity	February	10

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Teacher Name : Subhasis Kundu				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Linear Algebra	I-Module IV Group-A	Inner Product of Vector Space.	July	08
Linear Algebra	I-ModuleIIV Group-A	Determinants	August	08
Linear Algebra	I-	Matrices of real & complex numbers. Elementary Operations on Matrices – Statement and applications.	September	08

	ModuleIIVGroup-A	Echelon matrix. Rank of a matrix . Vector space – definitions and examples, subspace and their union , intersection and linear sum .		
Linear Algebra	I-Module VI Group-A	Linear combination – independence and dependence. linear span , basis , Replacement theorem ,extension theorem, Dimension of vector space,Extration of basis, Linear homogeneous system of equation and their solutions. Eigen vector of matrices. Clay Hamilton Theorem and examples.	November	10
Linear Algebra	I-Module IV Group-A	Congruence of matrices	December	05
Vector Calculus I	I-Module IV Group-B	Vector differentiation with respect to a scalar variable , velocity, acceleration, direction derivative, Divergence, Curl, Gradiant, Laplacian and their physical significance.	January	10
Vector Calculus I	I-Module IV Group-B	Tutorial/Revision	February	5

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Teacher Name : Balaram Paria				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Classical Algebra	I-Module I Group-A	Complex numbers, Inequalities, Polynomials with real coefficient .	July	10
Classical Algebra	I-Module I Group-A	Polynomial equations	August	05
Classical Algebra	I-Module I Group-A	Statement of well ordering principle, prime intergers, Euclid 's First Theorem .	September	08
Classical Algebra	I-Module I Group-A	Ecluid's Second Theorem, Chinees remainder Theorem, Fermat's Theorem, Phi n.	January	08

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Teacher Name : Subhsis Kundu				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Modern Algebra	I-Module I Group-B	Set, Mapping,Algebric Structure	July	10
Modern Algebra	I-Module I Group-B	Group, Group Theorem Continued, Revision	August	10

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12 **Departmental Signature**

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GOUR MOHAN SACHIN MANDAL MAHAVIDYALAYA

Department: Mathematics **Year:2nd yearsession: 2015 -2016**

Teacher Name : Subhasis Kundu

Unit Name (Topic)	Paper	Sub Unit Name	Month	No. of Classes
Analytical Geometry of 3D II	**IV- Module VIII Group -A**	Cone	**August**	**05**
Analytical Geometry of 3D II	**IV- Module VIII Group -A**	Sphere, Cylinder, Ellipsoid, Hyperboloid, Tangent Planes, Normal, Enveloping Cone, Surface of revolution, Ruled Surface.	**September**	**10**
Analytical Geometry of 3D II	**IV- Module VIII Group -A**	Generating lines of hyperboloid of one sheet and hyperbolic paraboliod. Transformation of Rectangular axes, Cylindrical, polar, Spherical polar co-ordinates	**November**	**10**

Teacher Name : Balaram Paria

Unit Name (Topic)	Paper	Sub Unit Name	Month	No. of Classes
Analytical Statics I	**IV- Module VIII Group –B**	Friction Astatic Equilibrium, Astatic Centre, Position of equilibrium on smooth plane curve , Action at a joint of frame work	**December**	**10**
Analytical Dynamics of a particle I	**IV- Module VIII Group - C**	Application of Newton's Law to S.H.M., inverse square law, Basic kinematic quantities. Impact of elastic bodies.	**December**	**10**
Analytical Dynamics of a particle I	**IV- Module VIII Group –C**	Tangent and Normal accelerations, Radial and cross-radial acceleration, Motion under gravity with resistance, Constraned motion , Motion in a plane , Motion of a projectile in resisting medium .	**January**	**15**
Analytical Dynamics of a particle I	**IV- Module VIII Group –C**	Tutorials/Revision	**February**	**05**

Teacher Name : subhasis Kundu

Unit Name (Topic)	Paper	Sub Unit Name	Month	No. of Classes
Analysis II	**IV- Module IV Group –A**	Convergence, Cauchy's Criterion of Convergence. Series of non-negatve real numbers, Test of Convergence, Cauchy's Condensional Test. Comparison Test, Kumer's Test, Statement and application of Test , Ratio Test, Raabe's Test, Logarithmic Test and Gauss's Test.	**August**	**05**
Analysis II	**IV- Module IV Group –A**	Series of arbitrary terms : Absolute and Conditional Convergence. Alternating series : Leibnitz test . Non-absolute convergence: Abel's and Dirichlet's test. Riemann's re-arrangement theorem and re-arrangement of absolute convergent series. Definition of derivability. Chain rule. Successive derivative: Leibnitz theorem. Theorems on derivatives. Darboux, Role's, Mean value theorems of Lagrange and Cauchy- as an application of Rolle's theorem, Taylor theorem on closed and bounded interval with Langrange's and Cauchy's mean valued theorem respectively.	**September**	**10**

Analysis II	**IV- Modole IV Group –A**	Statement of Maclaurin's Theorem on infinite series expansion. Expansion of exponential, $\log(1+x)$,$\sin x$, $\cos x$, with their range of validity. Statement of L'Hospital's rule and its consequences. Point of local maximum, minimum of a function at a point .Determination of local extremum using first order derivative. Application of the principle of maximum/minimum in geometrical problems.	**November**	**10**

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Teacher Name : Chanchal Mondal				
Unit Name (Topic)	**Paper**	**Sub Unit Name**	**Month**	**No. of Classes**
Differential Equation I	**III Module VI, Group B**	Formation of Differential equation. Concept of linear and non –linear D.E. Equation of 1^{st} and 2^{nd} Degree.	November	**08**
Differential Equation I	**III Module VI, Group B**	1^{st} order linear Equation, Clairaut's equation, Singular solution. Applications. Orthogonal Trajectories etc. Higher order linear equations with constant coefficients, symbolic operator.	December	**05**
Differential Equation I	**III Module VI, Group B**	Second order linear equations with variable coefficients, method of variation parameter, Normal form , Eigen value problem, simultaneous linear D.E.	January	**05**
Differential Equation I	**III Module VI, Group B**	Partial differential equation.	February	**03**

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Teacher Name : Chanchal Mondal				
Unit Name (Topic)	**Paper**	**Sub Unit Name**	**Month**	**No. of Classes**
Real-Valued Functions of several Real Variables.	**IV-Module VII , Group A**	Point sets in two and three Dimensions, Function of two and three variables, concept of functions.	**August**	**03**
Real-Valued Functions of several Real Variables.	**IV-Module VII , Group A**	Concept of Function of several real valued variables, Function of two and three variables- limit, continuity and differentiation. Differentiability, Euler's theorem and converges, mixed partial derivatives, Young's and Schwarz's theorem.	**September**	**06**
Real-Valued Functions of several Real Variables.	**IV-Module VII , Group A**	Jacobian of two and three variables, Concept of Implicit function, Taylor's theorem, Lagrange's method of undetermined multipliers for function of two variables.	**November**	**08**
Application of Calculus	**IV-Module VII , Group B**	Tangents and Normals, Pedal equation of a curve, pedal of a curve, Rectilinear asymptotes of curve, Curvature, radius, centre, Chord of Curvature.	**December**	**08**
Application of Calculus	**IV-Module VII , Group B**	Envelope of family of straights lines and curves. Concavity, Convexity, singular points , node, cusps and point of inflexion . Familiarity with the figure of some curves, area enclosed by a curve, determination of C.G, Moment and Products of Inertia.	January	05
Application of Calculus	**IV-Module VII , Group B**	Revision	February	05

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Teacher Name : Subhasis Kundu

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Unit Name (Topic)	**Paper**	**Sub Unit Name**	**Month**	**No. of Classes**

Modern Algebra II	**III-Module V, Group A**	Cosets and Lagrange's theorem and Cyclic Groups.	August	05
Modern Algebra II	**III-Module V, Group A**	Rings and Fields , Permutation.	September	08

Teacher Name : Balaram Paria				
Unit Name (Topic)	**Paper**	**Sub Unit Name**	**Month**	**No. of Classes**
L.P.P and Game Theory	**III-Module V, Group B**	Definition of L.P.P, Graphical Solution, B.F.S. Degenerate and Non degenerate , B.F.S . Hyperplane , Convex set, Convex Hull , Convex Polyhedron, Cone etc.	November	08
L.P.P and Game Theory	**III-Module V, Group B**	Slack and Surplus variables, Simplex method, Feasibility and Optimality condition , Two phase method , Degeneracy and its resolution.	December	10
L.P.P and Game Theory	**III-Module V, Group B**	Duality Theory, Duality and Simplex method , Transportation and Assignment Problem, Game Theory.	January	12
L.P.P and Game Theory	**III-Module V, Group B**	Game Theory continued	February	5

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50 **Department : MathematicsYear: 3rd year Session: 2015-2016**

Teacher Name : Balaram Paria				
Unit Name(Topic)	Paper	**Sub Unit Name**	**Month**	**No.of Classes**
Numerical Analysis.	VIII-Module XV, Group A.	What is Numerical Analysis? Errors, operators.	August	05
Numerical Analysis.	VIII-Module XV, Group A.	Difference Table, Interpolation, Differentiation.	September	10
Practical	VIII-Module XVI.	Interpolation and differentiation.	September	10
Practical	VIII-Module XVI.	Intregration, Solution of non linear equation.	October	05
Numerical Analysis.	VIII-Module XV, Group-A.	Intregration, Solution of non linear equation and system of linear equation.	November	10
Computer Programming	VIII-Module XV, Group-B.	Algorithm, Flow chart.	November	10
Practical	VIII-Module XVI.	Solution of system of linear equation, Solution of ordinary differential equation.	November	10
Numerical Analysis.	VIII-Module XV, Group-A.	Eigen value problem, Numerical solution of ordinary differential equation.	December	06
Probability	VII-Module XIV, Group-A.			
Vector Calculus II	VI-Module XI, Group-A.	Line integrals, Irrotational vector, Conservative force, Theorem of Green's, Stoke's and Divergence.	August	05
Analytical Statics II	VI-Module XII, Group-B.	Centre of gravity, Virtual Work, Stable and Unstable Equilibrium.	September	10
Statistics	VII-Module XIV, Group-B.	Statistics	November	20
Probability	VII-Module XIV, Group-A.	Random experiment, probability of event, Bernouli trial, Binomial law, Poisson trails, probability distribution function-Binomial, Poison, Gamma, Normal Distribution, Mathematical expectation, mean, variance, moments, measures of location, dispersion skewness, and Kurtosis. Median, Mode, Quartiles, moment generating function.	December	20
Probability	VII-Module XIV, Group-A.	Correlation and Regression, Chi'square and t-distributions.	January	05
Analytical Statics II	VI-Module XII, Group-B.	Forces in the three dimension.	February	08
Analytical Dynamics of Particle II	VI-Module XI, Group-C	Varying mass problems, Linear dynamical systems.	February	05
Probability	VII-Module XIV, Group-A	Law of large numbers, concept of asymptotically normal distribution.	February	05
Hydrostatics	VI-Module XII, Group-A	Definition of fluid, Centre of Pressure, Equilibrium of fluid in given field of forces, Rotating fluid, Stability of equilibrium of floating bodies.	December	16
Hydrostatics	VI-Module XII, Group-A	Pressure of Gas.	January	05
Rigid Dynamics	VI-Module XII, Group-B	Momental Ellipsoid, D'Alembert's Principal, Equation of motion of a rigid body about a fixed axis, Equation of motion of a rigid body moving in two dimensions, Equation of motion under Impulsive forces.	February	20

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Teacher Name : Chanchal Mondal

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Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Computer Programming	VIII-Module XV, Group-A	Computer fundamental, number system.	September	04
Computer Programming	VIII-Module XV, Group-B	C-programming.	December	10
Practical	VIII-Module XVI	Computer Programming.	December	08
Practical	VIII-Module XVI	Dominant eigen pair, Curve fitting.	January	10
Computer Programming	VIII-Module XV, Group-B	Boolean Algebra.	February	10
Analysis III	V-Module X, Group-A	Compactness in IR, Function of bounded Variation, (Continued)	August	05
Analysis III	V-Module X, Group-A	Function of bounded variation, Riemann Integration, (Continued)	September	10
Analysis IV	VII-Module XIII, Group-A	Improper Integral	September	10
Analysis III	V-Module X, Group-A	Riemann Intregration.	November	10
Analysis IV	VII-Module XIII, Group-A	Fourier Series and Multiple Integral.	November	10
Analysis III	V-Module X, Group-A	Sequence and Series of functions on set, Limit function.	December	10
Linear Algebra II & Modern Algebra III	V-Module X, Group-A	Linear Transformation on vector spaces, Rank(T) + Nullity(T)=dim V	August	05
Linear Algebra II & Modern Algebra III	V-Module X, Group-A	Linear Transformation and matrices, Normal Subgroups of Group, homomorphism and isomorphism of groups.	September	09
Differential Equation I	III-Module VI, Group B	Formation of Differential equation (D.E.). Concept of linear and non-linear D.E. equation of first order and first degree	November	
Differential Equation I	III-Module VI, Group B	First order linear equation, Clairauts equation, Singular solution. Applications- orthogonal Trajectories etc. Higher order linear equations with constant coefficients , symbolic operator D	December	
Differential Equation I	III-Module VI, **Group B**	**Second order linear equations with variable coefficients, method of variation of parameter, Normal form etc. Eigen value problem, Simultaneous linear D.E.**	**January**	
Differential Equation I	III-Module VI, **Group B**	**Partial differential equation**	**February**	

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Teacher Name : Subhasis Kundu				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Metric Space	VII-Module XIII, Group-B.	Metric space, Open and Closed sets.	December	06
Metric Space	VII-Module XIII, Group-B.	Complete metric space.	January	05
Analysis III	V-Module X,	Sum function, Power series.	February	10

	Group-A.			
Complex Analysis	VII-Module XIII, Group-B	Stereographic projection, Complex function.	February	10
Tensor Calculus	V-Module X, Group-B	Contravariant, Covariant, Symmetric, skew symmetric, Contraction, Reciprocal tensor, Associated tensor.	September	07
Differential Equation II	V-Module X, Group-C	Laplace Transformation and its application in ordinary differential equation, Series solution at an ordinary points.	November	17
Tensor Calculus	V-Module X, Group-B	Orthogonal vectors, Christoffel symbol, Covariant differentiation.	November	03

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57 Departmental Signature

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GOUR MOHANSACHIN MANDAL MAHAVIDYALAYA

Department : Mathematics **Year: 1st year** **Session: 2015-2016**

Teacher Name : Balaram Paria				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Analytical geometry of two dimension	I-Module I, Group-B	Transformation of axes.	July	04
Analytical geometry of two dimension	I-Module I, Group-B	General equation of second degree.	August	08
Analytical geometry of two dimension	I-Module I, Group-B	Pair of st. lines.	September	08
Analytical geometry of two dimension	I-Module I, Group-B	Pair of tangent, Poles & polars.	November	08
Analytical geometry of two dimension	I-Module I, Group-B	Polar Equations.	December	06
Vector Algebra	I-Module I, Group-C	Vector Operations	January	08
Vector Algebra	I-Module I, Group-C	Application of vector	February	08

Teacher Name : Chanchal Mondal				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Differential Calculus	I-Module II, Group-A	Rational Numbers	July	04
Differential Calculus	I-Module II, Group-A	Sequence	August	08
Differential Calculus	I-Module II, Group-A	Infinite Series	September	08
Differential Calculus	I-Module II, Group-A	Real Valued functions	November	08
Differential Calculus	I-Module II, Group-A	Derivative	December	06
Differential Calculus	I-Module II, Group-A	Successive derivative	January	08
Differential Calculus	I-Module II, Group-A	Application of Integral Calculus	February	08
Differential Equation	I-Module II, Group-A	Order & Degree of ODE, Formation of ODE	November	08
Differential Equation	I-Module II, Group-A	First Order D.E.-1) Variables Seperable 2) Homo. Eqn. & Eqns. Reducible to homo. Forms.	December	06
Differential Equation	I-Module II, Group-A	Exact, Euler's and Bernoulli's Equation. Clairaut's general and singular solution	January	08
Differential Equation	I-Module II, Group-A	Orthogonal trajectories	February	08

Teacher Name : Subhasis				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Classical Algebra	I-1 Group-A	Complex Number	July	04
Classical Algebra	I-1 Group-A	Complex Number (Contd.)	August	08
Classical Algebra	I-1 Group-A	Determinant	September	08
Classical Algebra	I-1 Group-A	Determinant (Contd.)	November	08
Classical Algebra	I-1 Group-A	Polynomials	December	06
Classical Algebra	I-1 Group-A	Matrices of Real Numbers	January	08
Classical Algebra	I-1 Group-A	Rank of a matrix	February	08
Integral Calculus	I-Module II, Group-B	Indefinite Integral	July	04
Integral Calculus	I-Module II, Group-B	Indefinite Integral (Contd.) Definite Integral	August	08
Integral Calculus	I-Module II, Group-B	Definite Integral, Integration as a limit of a sum	September	08

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105 # GOUR MOHANSACHIN MANDAL MAHAVIDYALAYA

106 **Department : Mathematics(Gen)** **Year: 2nd year** **Session: 2015-2016**

Teacher Name : Balaram Paria				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Analytical geometry of three dimension	II-Module II, Group-B	Rectangular Cartesian co-ordinates:	July	04
Analytical geometry of three dimension	II-Module II, Group-B	The plane	August	03
Analytical geometry of three dimension	II-Module II, Group-B	Straight lines.	September	08
Analytical geometry of three dimension	II-Module II, Group-B	The sphere	November	03
Analytical geometry of three dimension	II-Module II, Group-B	Right circular cone	December	03
Ordinary differential equation	II-Module v, Group-E	Second order linear differential equation with constant coefficients	July	03

Teacher Name : Chanchal Mondal				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Modern algebra	II-Module I, Group-A	Sets, Subsets, Equality of Sets, Operations on sets	July	06
Modern algebra	II-Module I, Group-A	Group, Abelian group, Elementary properties of group	August	05
Modern algebra	II-Module I, Group-A	Ring & Field	September	07
Modern algebra	II-Module I, Group-A	Vector space	November	08
Modern algebra	II-Module I, Group-A	Eigen value & Eigen vectors	December	04
Modern algebra	II-Module I, Group-A	Quadratic form	January	03

Teacher:Subhasis Kundu				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Differential Calculus	II-Module III Group-C	Expansion of function	July	04
Differential Calculus	II-Module III Group-C	Indeterminists forms	August	08
Differential Calculus	II-Module III Group-C	Maxima & Minima of functions of a single variable	September	08
Differential Calculus	II-Module III Group-C	Functions of several variables	November	08
Differential Calculus	II-Module III Group-C	Asymptotes	December	06
Differential Calculus	II-Module III Group-C	Envelopes	January	08
Differential Calculus	II-Module III Group-C	Singular Points	February	08
Integral Calculus	II-Module VI Group-D	Improper integrals	July	04
Integral Calculus	II-Module VI, Group-D	Beta & Gama function	August	04
Integral Calculus	II-Module VI, Group-D	Double integral	September	03
Integral Calculus	II-Module VI, Group-D	Rectification	November	02
Integral Calculus	II-Module VI, Group-D	Quadrature	December	02
Integral Calculus	II-Module VI, Group-D	Volumes and surfaces of revolution	January	04

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Departmental Signature

GOUR MOHANSACHIN MANDAL MAHAVIDYALAYA

Department : Mathematics(Gen) **Year: 3rd year** **Session: 2015-2016**

Teacher Name : Balaram Paria				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Numerical methods	III-Module V, Group-A	Approximate numbers, Significant figures, Rounding off numbers. Errors	July	04
Numerical methods	III-Module V, Group-A	Operators	August	03
Numerical methods	III-Module V, Group-A	Interpolation	September	06
Numerical methods	III-Module V, Group-A	Number Integration	November	03
Numerical methods	III-Module V, Group-A	Solution of Numerical Equation	December	04

Teacher Name : Subhasis Kundu				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Linear programming problem	III-Module V, Group-B	Formulation of LPP	July	04
Linear programming problem	III-Module V, Group-B	LPP in matrix form	August	08
Linear programming problem	III-Module V, Group-B	Convex set & Graphical solution of LPP	September	08
Linear programming problem	III-Module V, Group-B	Simplex Algorithm	November	08
Linear programming problem	III-Module V, Group-B	Duality	December	06
Linear programming problem	III-Module V, Group-B	Trans potation problem	January	08
Linear programming problem	III-Module V, Group-B	Assignment problem	February	08
Discrete Mathematics	**IV-Module VIII , Group-B**	Integers	**July**	08
Discrete Mathematics	**IV-Module VIII , Group-B**	Congruence's	**August**	06
Discrete Mathematics	**IV-Module VIII , Group-B**	Application of Congruence's	**September**	04
Discrete Mathematics	**IV-Module VIII , Group-B**	Congruence class	**October**	03
Discrete Mathematics	**IV-Module VIII , Group-B**	Recurrence relations and Generating functions	**November**	03
Discrete Mathematics	**IV-Module VIII, Group-B**	**Boolean algebra**	**December**	**04**	04

Teacher Name : Chanchal Mondal				
Unit Name(Topic)	**Paper**	**Sub Unit Name**	**Month**	**No.of Classes**
Analytical Dynamics	III-Module VI, Group-A	Fundamental ideas	July	02
Analytical Dynamics	III-Module VI, Group-A	Work power and energy	August	06
Analytical Dynamics	III-Module VI, Group-A	Impulse and Impulsive force, Collision of Elastic bodies	September	06
Analytical Dynamics	III-Module VI, Group-A	Motion in a straight line	November	04
Analytical Dynamics	III-Module VI, Group-A	Simple harmonic motions, Damped harmonic isolation	December	05
Analytical Dynamics	III-Module VI, Group-A	Motion in a plane, Tangential and normal acceleration	January	05
Analytical Dynamics	III-Module VI, Group-A	Central orbit, Planetary motion	February	06
Analytical Dynamics	III-Module VI, Group-A	Motion in a resisting medium	July	03
Computer science & Programming	**IV-Module VIII**	Boolean algebra	July	07
Computer science & Programming	**IV-Module VIII**	Computer Science and Programming	August	10
Computer science & Programming	**IV-Module VIII**	**Programming Language**	**September**	08
Computer science & Programming	**IV-Module VIII**	**Algorithms and flow charts**	**November**	07
Computer science & Programming	**IV-Module VIII**	**I/O Statements December**	**December**	02
Computer science & Programming	**IV-Module VIII**	**Sub Programs**	**January**	02
Computer science & Programming	**IV-Module VIII**	**Elements of BASIC Programming Language**	**February**	03

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