I ODD SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Dr.K.B.Latha
Department	Mathematics
Class	I B.Sc
Semester	I
Subject/Subject Code	Algebra / SM21A

Month	Topics to be covered	Remarks
August 2022	Theory of Equations : Polynomial equations with Imaginary and irrational roots- Relation between roots and coefficients- Symmetric functions of roots in terms of coefficients. Reciprocal equations - Standard form	-
September 2022	Increase or Decrease the roots of the given equation - Removal of terms Approximate solutions of roots of polynomials by Horner's method. Summation of Series : Binomial- Exponential - Logarithmic series (Theorems without proof):	Internal Test-I Assignment
October 2022	Symmetric- Skew Symmetric- Hermitian- Skew Hermitian- Orthogonal Matrices- Eigen values & Eigen Vectors- Similar matrices- Cayley - Hamilton Theorem.	Internal Test-II
November 2022	Prime number and Composite number - Divisors of a given number N- Euler's function (without proof) - Integral part of a real number - congruences.	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Mr.P.Karuppaiya	
Department	Mathematics	
Class	I B.Sc	
Semester	I	
Subject/Subject Code	Differential Calculus / SM21B	
Month	Topics to be covered	Remarks
August 2022	Successive differentiation - n th derivative-standard results – Trigonometrical transformation – formation of equations using derivatives - Leibnitz's theorem and its applications	-
September 2022	Total differential of a function – special cases – implicit functions - partial derivatives of a function of two functions - Maxima and Minima of functions of two variables- Lagrange's method of undetermined multipliers. Envelopes – method of finding envelopes – Curvature- circle, radius and centre of curvature Cartesian formula for radius of curvature – coordinates of the centre of curvature	Internal Test-I Assignment
October 2022	Evolute-and involute - radius of curvature and centre of curvature in polar coordinates – p-r equation . Polar coordinates - angle between the radius vector and the tangent – slope of the tangent in the polar coordinates	Internal Test-II
November 2022	The angle of intersection of two curves in polar coordinates- polar sub tangent and polar sub normal – the length of arc in polar coordinates. Definition-Asymptotes parallel to the axes – special cases – another method for finding asymptotes - asymptotes by inspection – intersection of a curve with an asymptote.	Model Examination

II ODD SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.K.Kalpana	
Department	Mathematics	
Class	II B.Sc	
Semester	III	
Subject/Subject Code	Analytical Geometry / SM23A	
Month	Topics to be covered	Remarks
July 2022	Chord of contact – polar and pole,- conjugate points and conjugate lines – chord with (x_1, y_1) as its midpoint – diameters – conjugate diameters of an ellipse.- semi diameters-conjugate diameters of hyperbola.	-
August 2022	Polar coordinates, general polar equation of straight line – polar equation of a circle on A1A2 as diameter, equation of a straight line, circle, conic – equation of chord , tangent, normal. Equations of the asymptotes of a hyperbola. Introduction – System of Planes - Length of the perpendicular – orthogonal projection.	Internal Test-I
September 2022	Representation of line – angle between a line and a plane- co-planar lines- shortest distance 2 skew lines- Length of the perpendicular- intersection of three planes.	Assignment
October 2022	Equation of a sphere ; general equation ; section of a sphere by a plane - equation of the circle ; tangent plane ; angle of intersection of two spheres- condition for the orthogonality - radical plane.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Dr.P.Sumathi
Department	Mathematics
Class	II B.Sc
Semester	III
Subject/Subject Code	Differential Equations / SM23B

Month	Topics to be covered	Remarks
July 2022	Homogenous equations. Exact equations. Integratic factor. Linear equations, Reduction of order	-
August 2022	Second order linear differential equations introduction .General solution of homogenous equations. The use of known solution to find another. Homogeneous equation with constant coefficients- Method of undetermined coefficients; Method of variation of parameters	Internal Test-I
September 2022	System of first order equations-Linear systems. Homogeneous linear systems with constant coefficients.(Omit non-homogeneous system of equations)	Assignment
October 2022	Formation of P.D.E by eliminating arbitrary constants and arbitrary functions; complete integral; Singular integral; general integral: Lagrange's equations Pp + Qq=R. Charpit's method and Special types of first order equations	Internal Test-II
November 2022	Revision	Model Examination

III ODD SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Algebraic Structures / TAM5A	
Month	Topics to be covered	Remarks
July 2022	Introduction to groups. Subgroups, cyclic groups and properties of cyclic groups, Lagrange's Theorem; A counting principle, Normal subgroups and Quotient group, Homomorphism; Automorphism.	-
August 2022	Cayley's Theorem; Permutation groups.	Internal Test-I
September 2022	Definition and examples of ring- Some special classes of rings, homomorphism of rings, Ideals and quotient rings, More ideals and quotient rings.	Assignment
October 2022	The field of quotients of an integral domain, Euclidean Rings, The particular Euclidean ring.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Mrs.K.Kalpana
Department	Mathematics
Class	III B.Sc
Semester	V
Subject/Subject Code	Real Analysis-I / TAM5B

Month	Topics to be covered	Remarks
July 2022	Sets and elements; Operations on sets; functions; real valued functions; equivalence; countability ; real numbers; least upper bounds, Definition of a sequence and subsequence; limit of a sequence; convergent sequences; divergent sequences; bounded sequences; monotone sequences;	-
August 2022	Operations on convergent sequences; operations on divergent sequences; limit superior and limit inferior; Cauchy sequences.	Internal Test-I
September 2022	Convergence and divergence; series with non-negative numbers; alternating series; conditional convergence and absolute convergence; tests for absolute convergence; series whose terms form a non-increasing sequence; the class l	Assignment
October 2022	Limit of a function on a real line;. Metric spaces; Limits in metric spaces.Function continuous at a point on the real line, reformulation, Function continuous on a metric space.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.K.B.Latha	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Dynamics / TAM5C	
Month	Topics to be covered	Remarks
July 2022	Basic units, velocity, acceleration, relative velocity, rectilinear motion under constant forces, acceleration and retardation, trust on a plane, motion along a vertical line under gravity, line of quickest descent, motion along an inclined plane, motion of a connected particle.	-
August 2022	Work, energy and power, work, conservative field of force, power, rectilinear motion under varying force, simple harmonic motion(S.H.M), SHM along a horizontal line, SHM along a vertical line, motion under gravity in a resisting medium.	Internal Test-I
September 2022	Forces on projectile, projectile projected on a inclined plane, enveloping parabola or bounding parabola, impact, impulse force impact of a sphere, impact of two smooth spheres, impact of a smooth sphere on a plane, oblique impact of two smooth spheres.	Assignment
October 2022	Circular motion, conical pendulum, motion of a cyclist on a circular path, circular motion on a vertical plane, relative rest in a revolving cone, simple pendulum, central orbits, general orbits, central orbits conic as centered orbit, Moment of inertia, two dimensional motion of rigid body, equation of motion for two dimensional motion, theory of dimension, definition of dimension	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.P.Sumathi	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Discrete Mathematics / TAM5D	
Month	Topics to be covered	Remarks
July 2022	Set, some basic properties of integers, Mathematical induction, divisibility of integers, representation of positive integers, Boolean algebra, two element Boolean algebra, Disjunctive normal form, Conjunctive normal form	-
August 2022	Application, Simplication of circuits, Designing of switching circuits, Logical Gates and Combinatorial circuits	Internal Test-I
September 2022	Sequence and recurrence relation, Solving recurrence relations by iteration method, Modeling of counting problems by recurrence relations, Linear (difference equations) recurrence relations with constant coefficients, Generating functions, Sum and product of two generating functions, Useful generating functions, Combinatorial problems	Assignment
October 2022	Introduction, Walk, Path and cycles, Euler circuit	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Mr.P.Karuppaiya
Department	Mathematics
Class	III B.Sc
Semester	V
Subject/Subject Code	Programmimg Language 'C' With Practicals / TEM5A

Month	Topics to be covered	Remarks
July 2022	Introduction, constants, Variables, Data-types(Fundamental and user defined), Operators, Precedence of operators, Library functions, Input, Output statements, escape sequence, Formatted Output, storage class, compiler directives.	-
August 2022	Decision making and branching, If, Simple-If, If-Else, Nested If-Else, Else-IF Ladder, Switch Statement, conditional operator, Go to Statement, Decision making with looping: While, Dowhile and For Statement, nested for loops, continue and break statements	Internal Test-I
September 2022	Arrays: One-dimensional and two-dimensional array, declarations, Initiatising of arrays, operation on string, string handling functions . Functions: Functions definition and declaration, categories of functions recursion.	Assignment
October 2022	Files: Definitions, operation on files, file operation functions.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Name of the Faculty	Dr.K. Kalpana,Dr.K.B.Latha , T.Hemamalini	
Department	Physics	
Class	I B.Sc	
Semester	I	
Subject/Subject Code	Allied Mathematics-I / SM3AA	
Month	Topics to be covered	Remarks
August 2022	Algebra: Summation of series - simple problems. , difference tables- Newton-Raphson method- Newton's∇,∆Numerical Methods: Operators E, forward and backward interpolation formulae for equal intervals, Lagrange's interpolation formula. Matrices: Symmetric, Skew-Symmetric, Orthogonal, Hermetian, Skew-Hermetian and Unitary matrices.	-
September 2022	Eigen values and Eigen-vectors, Cayley-Hamilton theorem (without proof) – verification- Computation of inverse of matrix using Cayley - Hamilton theorem. Theory Of Equations: Polynomial equations with real coefficients, irrational roots, complex roots, symmetric functions of roots, transformation of equation by increasing or decreasing roots by a constant, reciprocal equation-simple problems.	Internal Test-I Assignment
October 2022	Trigonometry:Expansions of $\sin(n\theta)$ and $\cos(n\theta)$ in a series of powers of $\sin\theta$ and $\cos\theta$ - Expansions of $\sin^n \theta$, $\cos^n \theta$, $\tan^n \theta$ in a series of sines, cosines and tangents of multiples of "θ" - Expansions of $\sin\theta$, $\cos\theta$ and $\tan\theta$ in a series of powers of "θ" – Hyperbolic and inverse hyperbolic functions .	Internal Test-II
November 2022	Differential Calculus:Successive differentiation, nth derivatives, Leibnitz theorem (without proof) and applications, Jacobians, Curvature and radius of curvature in Cartesian co-ordinates, maxima and minima of functions of two variables- Simple problems.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Name of the Faculty	Dr.K.Kalpana ,Dr.K.B.Latha, T.Hemamalini	
Department	Chemistry	
Class	I B.Sc	
Semester	I	
Subject/Subject Code	Allied Mathematics-I / SM3AA	
Month	Topics to be covered	Remarks
August 2022	Algebra: Summation of series - simple problems. , difference tables- Newton-Raphson method- Newton's∇,ΔNumerical Methods: Operators E, forward and backward interpolation formulae for equal intervals, Lagrange's interpolation formula. Matrices: Symmetric, Skew-Symmetric, Orthogonal, Hermetian, Skew-Hermetian and Unitary matrices.	-
September 2022	Eigen values and Eigen-vectors, Cayley-Hamilton theorem (without proof) – verification- Computation of inverse of matrix using Cayley - Hamilton theorem. Theory Of Equations: Polynomial equations with real coefficients, irrational roots, complex roots, symmetric functions of roots, transformation of equation by increasing or decreasing roots by a constant, reciprocal equation-simple problems.	Internal Test-I Assignment
October 2022	Trigonometry:Expansions of $\sin(n\theta)$ and $\cos(n\theta)$ in a series of powers of $\sin\theta$ and $\cos\theta$ - Expansions of $\sin^n \theta$, $\cos^n \theta$, $\tan^n \theta$ in a series of sines, cosines and tangents of multiples of "θ" - Expansions of $\sin\theta$, $\cos\theta$ and $\tan\theta$ in a series of powers of "θ" – Hyperbolic and inverse hyperbolic functions .	Internal Test-II
November 2022	Differential Calculus:Successive differentiation, nth derivatives, Leibnitz theorem (without proof) and applications, Jacobians, Curvature and radius of curvature in Cartesian co-ordinates, maxima and minima of functions of two variables- Simple problems.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Commerce	
Class	II B.Com	
Semester	III	
Subject/Subject Code	Business Statistics / CZ33A	
Month	Topics to be covered	Remarks
August 2022	Meaning and Definition of Statistics- Collection and Tabulation of Statistical DataPresentation of Statistical Data-Graphs and Diagrams. Measures of Central Tendency- Arithmetic Mean, Median, Mode, Harmonic Mean and Geometric Mean.	-
September 2022	Measures of Variation- Standard Deviation - Mean Deviation- Quartile Deviation-Skeweness and Kurtosis- Lorenz Curve. Simple Correlation-Scatter Diagram- Karl Pearson's Correlation- Spearman's Rank Correlation- Regression- Meaning-Linear Regression.	Internal Test-I
October 2022	Analysis of Time Series-Causes of Variation in Time Series Data -Components of Time Series-Additive and Multiplicative Models-Determination of Trend By Semi Average, Moving Average and Least Square(Linear Second Degree And Exponential) MethodsComputation of Seasonal Indices By Simple Average, Ratio to Moving Average, Ratio to Trend and Link Relative Methods	Assignment
November 2022	Meaning and Types of Index Numbers-Problems in Construction of Index NumbersMethods of Construction of Price and Quantity Indices- Test of Adequacy- Errors in Index Numbers- Chain Base Index Numbers- Base Shifting -Splicing -Deflation -Customer Price Index and Its Uses-Statistical Quality Control.	Internal Test-II
December 2021	Revision	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Mr.P.Karuppaiya
Department	Physics
Class	I B.Sc
Semester	I
Subject/Subject Code	Functional Mathematics-I / SM5AA

Month	Topics to be covered	Remarks
August 2022	Ratio and Proportion Percentages	-
September 2022	Profit and Loss, Discounts	Internal Test-I Assignment
October 2022	Simple Interest and Compound interest	Internal Test-II
November 2022	Solutions of Simultaneous equations, Problems on Ages and Numbers.	Model Examination

II ODD SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.K.Kalpana	
Department	Mathematics	
Class	II B.Sc	
Semester	III	
Subject/Subject Code	Analytical Geometry / SM23A	
Month	Topics to be covered	Remarks
July 2022	Chord of contact – polar and pole,- conjugate points and conjugate lines – chord with (x_1, y_1) as its midpoint – diameters – conjugate diameters of an ellipse.- semi diameters- conjugate diameters of hyperbola.	-
August 2022	Polar coordinates, general polar equation of straight line – polar equation of a circle on A1A2 as diameter, equation of a straight line, circle, conic – equation of chord , tangent, normal. Equations of the asymptotes of a hyperbola. Introduction – System of Planes - Length of the perpendicular – orthogonal projection.	Internal Test-I
September 2022	Representation of line – angle between a line and a plane- co-planar lines- shortest distance 2 skew lines- Length of the perpendicular- intersection of three planes.	Assignment
October 2022	Equation of a sphere ; general equation ; section of a sphere by a plane - equation of the circle ; tangent plane ; angle of intersection of two spheres- condition for the orthogonality - radical plane.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Dr.P.Sumathi
Department	Mathematics
Class	II B.Sc
Semester	III
Subject/Subject Code	Differential Equations / SM23B

Month	Topics to be covered	Remarks
July 2022	Homogenous equations. Exact equations. Integratic factor. Linear equations, Reduction of order	-
August 2022	Second order linear differential equations introduction .General solution of homogenous equations. The use of known solution to find another. Homogeneous equation with constant coefficients- Method of undetermined coefficients; Method of variation of parameters	Internal Test-I
September 2022	System of first order equations-Linear systems. Homogeneous linear systems with constant coefficients.(Omit non-homogeneous system of equations)	Assignment
October 2022	Formation of P.D.E by eliminating arbitrary constants and arbitrary functions; complete integral; Singular integral; general integral: Lagrange's equations Pp + Qq=R. Charpit's method and Special types of first order equations	Internal Test-II
November 2022	Revision	Model Examination

III ODD SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Algebraic Structures / TAM5A	
Month	Topics to be covered	Remarks
July 2022	Introduction to groups. Subgroups, cyclic groups and properties of cyclic groups, Lagrange's Theorem; A counting principle, Normal subgroups and Quotient group, Homomorphism; Automorphism.	-
August 2022	Cayley's Theorem; Permutation groups.	Internal Test-I
September 2022	Definition and examples of ring- Some special classes of rings, homomorphism of rings, Ideals and quotient rings, More ideals and quotient rings.	Assignment
October 2022	The field of quotients of an integral domain, Euclidean Rings, The particular Euclidean ring.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Mrs.K.Kalpana	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Real Analysis-I / TAM5B	
Month	Topics to be covered	Remarks
July 2022	Sets and elements; Operations on sets; functions; real valued functions; equivalence; countability ; real numbers; least upper bounds, Definition of a sequence and subsequence; limit of a sequence; convergent sequences; divergent sequences; bounded sequences; monotone sequences;	-
August 2022	Operations on convergent sequences; operations on divergent sequences; limit superior and limit inferior; Cauchy sequences.	Internal Test-I
September 2022	Convergence and divergence; series with non-negative numbers; alternating series; conditional convergence and absolute convergence; tests for absolute convergence; series whose terms form a non-increasing sequence; the class l	Assignment
October 2022	Limit of a function on a real line;. Metric spaces; Limits in metric spaces.Function continuous at a point on the real line, reformulation, Function continuous on a metric space.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.K.B.Latha	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Dynamics / TAM5C	
Month	Topics to be covered	Remarks
July 2022	Basic units, velocity, acceleration, relative velocity, rectilinear motion under constant forces, acceleration and retardation, trust on a plane, motion along a vertical line under gravity, line of quickest descent, motion along an inclined plane, motion of a connected particle.	-
August 2022	Work, energy and power, work, conservative field of force, power, rectilinear motion under varying force, simple harmonic motion(S.H.M), SHM along a horizontal line, SHM along a vertical line, motion under gravity in a resisting medium.	Internal Test-I
September 2022	Forces on projectile, projectile projected on a inclined plane, enveloping parabola or bounding parabola, impact, impulse force impact of a sphere, impact of two smooth spheres, impact of a smooth sphere on a plane, oblique impact of two smooth spheres.	Assignment
October 2022	Circular motion, conical pendulum, motion of a cyclist on a circular path, circular motion on a vertical plane, relative rest in a revolving cone, simple pendulum, central orbits, general orbits, central orbits conic as centered orbit, Moment of inertia, two dimensional motion of rigid body, equation of motion for two dimensional motion, theory of dimension, definition of dimension	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.P.Sumathi	
Department	Mathematics	
Class	III B.Sc	
Semester	V	
Subject/Subject Code	Discrete Mathematics / TAM5D	
Month	Topics to be covered	Remarks
July 2022	Set, some basic properties of integers, Mathematical induction, divisibility of integers, representation of positive integers, Boolean algebra, two element Boolean algebra, Disjunctive normal form, Conjunctive normal form	-
August 2022	Application, Simplication of circuits, Designing of switching circuits, Logical Gates and Combinatorial circuits	Internal Test-I
September 2022	Sequence and recurrence relation, Solving recurrence relations by iteration method, Modeling of counting problems by recurrence relations, Linear (difference equations) recurrence relations with constant coefficients, Generating functions, Sum and product of two generating functions, Useful generating functions, Combinatorial problems	Assignment
October 2022	Introduction, Walk, Path and cycles, Euler circuit	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Mr.P.Karuppaiya
Department	Mathematics
Class	III B.Sc
Semester	V
Subject/Subject Code	Programmimg Language 'C' With Practicals / TEM5A

Month	Topics to be covered	Remarks
July 2022	Introduction, constants, Variables, Data-types(Fundamental and user defined), Operators, Precedence of operators, Library functions, Input, Output statements, escape sequence, Formatted Output, storage class, compiler directives.	-
August 2022	Decision making and branching, If, Simple-If, If-Else, Nested If-Else, Else-IF Ladder, Switch Statement, conditional operator, Go to Statement, Decision making with looping: While, Dowhile and For Statement, nested for loops, continue and break statements	Internal Test-I
September 2022	Arrays: One-dimensional and two-dimensional array, declarations, Initiatising of arrays, operation on string, string handling functions . Functions: Functions definition and declaration, categories of functions recursion.	Assignment
October 2022	Files: Definitions, operation on files, file operation functions.	Internal Test-II
November 2022	Revision	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Name of the Faculty	Dr.K. Kalpana,Dr.K.B.Latha , T.Hemamalini	
Department	Physics	
Class	I B.Sc	
Semester	I	
Subject/Subject Code	Allied Mathematics-I / SM3AA	
Month	Topics to be covered	Remarks
August 2022	Algebra: Summation of series - simple problems. , difference tables- Newton-Raphson method- Newton's∇,ΔNumerical Methods: Operators E, forward and backward interpolation formulae for equal intervals, Lagrange's interpolation formula. Matrices: Symmetric, Skew-Symmetric, Orthogonal, Hermetian, Skew-Hermetian and Unitary matrices.	-
September 2022	Eigen values and Eigen-vectors, Cayley-Hamilton theorem (without proof) – verification- Computation of inverse of matrix using Cayley - Hamilton theorem. Theory Of Equations: Polynomial equations with real coefficients, irrational roots, complex roots, symmetric functions of roots, transformation of equation by increasing or decreasing roots by a constant, reciprocal equation-simple problems.	Internal Test-I Assignment
October 2022	Trigonometry:Expansions of $\sin(n\theta)$ and $\cos(n\theta)$ in a series of powers of $\sin\theta$ and $\cos\theta$ - Expansions of $\sin^n \theta$, $\cos^n \theta$, $\tan^n \theta$ in a series of sines, cosines and tangents of multiples of "θ" - Expansions of $\sin\theta$, $\cos\theta$ and $\tan\theta$ in a series of powers of "θ" – Hyperbolic and inverse hyperbolic functions .	Internal Test-II
November 2022	Differential Calculus:Successive differentiation, nth derivatives, Leibnitz theorem (without proof) and applications, Jacobians, Curvature and radius of curvature in Cartesian co-ordinates, maxima and minima of functions of two variables- Simple problems.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Name of the Faculty	Dr.K.Kalpana ,Dr.K.B.Latha, T.Hemamalini	
Department	Chemistry	
Class	I B.Sc	
Semester	I	
Subject/Subject Code	Allied Mathematics-I / SM3AA	
Month	Topics to be covered	Remarks
August 2022	Algebra: Summation of series - simple problems. , difference tables- Newton-Raphson method- Newton's∇,ΔNumerical Methods: Operators E, forward and backward interpolation formulae for equal intervals, Lagrange's interpolation formula. Matrices: Symmetric, Skew-Symmetric, Orthogonal, Hermetian, Skew-Hermetian and Unitary matrices.	-
September 2022	Eigen values and Eigen-vectors, Cayley-Hamilton theorem (without proof) – verification- Computation of inverse of matrix using Cayley - Hamilton theorem. Theory Of Equations: Polynomial equations with real coefficients, irrational roots, complex roots, symmetric functions of roots, transformation of equation by increasing or decreasing roots by a constant, reciprocal equation-simple problems.	Internal Test-I Assignment
October 2022	Trigonometry:Expansions of $\sin(n\theta)$ and $\cos(n\theta)$ in a series of powers of $\sin\theta$ and $\cos\theta$ - Expansions of $\sin^n \theta$, $\cos^n \theta$, $\tan^n \theta$ in a series of sines, cosines and tangents of multiples of "θ" - Expansions of $\sin\theta$, $\cos\theta$ and $\tan\theta$ in a series of powers of "θ" – Hyperbolic and inverse hyperbolic functions .	Internal Test-II
November 2022	Differential Calculus:Successive differentiation, nth derivatives, Leibnitz theorem (without proof) and applications, Jacobians, Curvature and radius of curvature in Cartesian co-ordinates, maxima and minima of functions of two variables- Simple problems.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Name of the Faculty	Mrs.T.Hemamalini
Department	Commerce
Class	II B.Com
Semester	III
Subject/Subject Code	Business Statistics / CZ33A

Month	Topics to be covered	Remarks
August 2022	Meaning and Definition of Statistics- Collection and Tabulation of Statistical DataPresentation of Statistical Data-Graphs and Diagrams. Measures of Central Tendency- Arithmetic Mean, Median, Mode, Harmonic Mean and Geometric Mean.	-
September 2022	Measures of Variation- Standard Deviation - Mean Deviation- Quartile Deviation-Skeweness and Kurtosis- Lorenz Curve. Simple Correlation-Scatter Diagram- Karl Pearson's Correlation- Spearman's Rank Correlation- Regression- Meaning-Linear Regression.	Internal Test-I
October 2022	Analysis of Time Series-Causes of Variation in Time Series Data -Components of Time Series-Additive and Multiplicative Models-Determination of Trend By Semi Average, Moving Average and Least Square(Linear Second Degree And Exponential) MethodsComputation of Seasonal Indices By Simple Average, Ratio to Moving Average, Ratio to Trend and Link Relative Methods	Assignment
November 2022	Meaning and Types of Index Numbers-Problems in Construction of Index NumbersMethods of Construction of Price and Quantity Indices- Test of Adequacy- Errors in Index Numbers- Chain Base Index Numbers- Base Shifting -Splicing -Deflation -Customer Price Index and Its Uses-Statistical Quality Control.	Internal Test-II
December 2021	Revision	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022-2023
Name of the Faculty	Mr.P.Karuppaiya
Department	Physics
Class	I B.Sc
Semester	I
Subject/Subject Code	Functional Mathematics-I / SM5AA

Month	Topics to be covered	Remarks
August 2022	Ratio and Proportion Percentages	-
September 2022	Profit and Loss, Discounts	Internal Test-I Assignment
October 2022	Simple Interest and Compound interest	Internal Test-II
November 2022	Solutions of Simultaneous equations, Problems on Ages and Numbers.	Model Examination

I EVEN SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022 -2023
Name of the Faculty	Dr.K.B.Latha
Department	Mathematics
Class	I B.Sc
Semester	II
Subject/Subject Code	Trigonometry / SM22A

Month	Topics to be covered	Remarks
December 2022	Expansions of powers of $Cos\theta, sin\theta$ - Expansions of $\cos^n\theta, \sin^n\theta, \cos^m\theta, \sin^m\theta$	-
January 2023	Expansions of $\sin n\theta, cosn\theta, \tan n\theta$ - Expansions of $\tan(\theta_1 + \theta_2 + \cdots + \theta_n)$ - Expansions of $\sin x, \cos x, \tan x$ in terms of x-Sum of roots of trigonometric equations – Formation of equation with trigonometric roots.	Internal Test-I
February 2023	Hyperbolic functions-Relation between circular and hyperbolic functions - Formulas in hyperbolic functions – Inverse hyperbolic functions.	Assignment
March 2023	Inverse function of exponential functions – Values of $Log(u + iv)$ - Complex index.	Internal Test-II
April 2023	Sums of trigonometrical series – Applications of binomial, exponential, , logarithmic and Gregory's series - Difference method	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022 -2023
Name of the Faculty	Dr.K.Kalpana
Department	Mathematics
Class	I B.Sc
Semester	II
Subject/Subject Code	Integral Calculus and Vector Analysis / SM22B

Month	Topics to be covered	Remarks
December 2022	Reduction formulae –Types $\int x^n e^{ax} dx$, $\int x^n \cos ax\, dx$, $\int x^n \sin ax\, dx$, $\int^n \cos^n x dx$, $\int \sin^n x\, dx$, $\int \sin^m x \cos^n x\, dx$, $\int \tan^n x\, dx$, $\int \cot^n x\, dx$, $\int sec^n x\, dx$, $\int cosec^n x\, dx$,$\int x^n (\log x)^m$ dx , Bernoulli's formula.	-
January 2023	Multiple Integrals- definition of the double integrals- evaluation of the double integrals- double integrals in polar coordinates – triple integrals – applications of multiple integrals – volumes of solids of revolution – areas of curved surfaces – change of variables – Jacobians	Internal Test-I
February 2023	Beta and Gamma functions- indefinite integral – definitions – recurrence formula of Γ functions – properties of β-function- relation between β and Γ functions	Assignment
March 2023	Introduction, Gradient, divergence, curl, directional derivative, Laplacian Differential Operator.	Internal Test-II
April 2023	Line, surface and volume integrals; Theorems of Gauss, Stokes and Green. (Without proof) – Problem.	Model Examination

II EVEN SEMESTER

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Dr.P.Sumathi	
Department	Mathematics	
Class	II B.Sc	
Semester	IV	
Subject/Subject Code	Transform Techniques / SM24A	
Month	Topics to be covered	Remarks
December 2022	Laplace Transforms: Definition,Sufficient condition for the existence of the Laplace transform(without proof) ,Laplace Transform of Periodic functions –some general theorems-evaluation of integrals using Laplace transform-Problems.	-
January 2023	Inverse Laplace transform-Applications of Laplace Transforms to ordinary differential equations with constant coefficients and variable coefficients,simultaneous equations and equations involving integrals -Problems	Internal Test-I
February 2023	Fourier series –Expansion of periodic functions of period 2π-Expansion of even and odd functions, Half range Fourier series –Change of intervals –Problems.	Assignment
March 2023	Fourier Transform – Infinite Fourier Transform (Complex form) –Properties of Fourier Transform- Fourier cosine and Fourier sine Transform- Properties – Parseval's identity-Convolution theorem –Problems.	Internal Test-II
April 2023	Transforms: Definition of Z - Transform and its properties –Z- Transforms of some basic functions- Examples and simple problems	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022-2023	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Mathematics	
Class	II B.Sc	
Semester	IV	
Subject/Subject Code	Statics / SM24B	
Month	Topics to be covered	Remarks
December 2022	Newton's laws of motion, resultant of two forces on a particle, equilibrium of a particle.	-
January 2023	Forces on a rigid body, moment of a force, general motion of a rigid body, equivalent systems of forces, parallel forces, forces along the sides of a triangle, couples.	Internal Test-I
February 2023	Resultant of several coplanar forces, equation of the line of action of the resultant, equilibrium of a rigid body under three coplanar forces, reduction of coplanar forces into a force and a couple, problems involving frictional forces.	Assignment
March 2023	Centre of mass, finding mass centre, a hanging body in equilibrium	Internal Test-II
April 2023	Hanging strings, equilibrium of a uniform homogeneous string, suspension bridge.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Dr.K.B.Latha	
Department	Mathematics	
Class	III B.Sc	
Semester	VI	
Subject/Subject Code	Linear Algebra / SM26A	
Month	Topics to be covered	Remarks
December 2022	Vector spaces, Elementary basic concepts, linear independence and bases	-
January 2023	Dual spaces	Internal Test-I
February 2023	Inner product spaces	Assignment
March 2023	Algebra of linear transformations; characteristic roots.	Internal Test-II
April 2023	Matrices; canonical forms; triangular forms.	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Dr.K.Kalpana	
Department	Mathematics	
Class	III B.Sc	
Semester	VI	
Subject/Subject Code	Real Analysis-II / TAM6B	
Month	Topics to be covered	Remarks
December 2022	Open sets; closed sets; Discontinuous function on R1, Connectedness, Completeness and Compactness. More about open sets; Connected sets.	-
January 2023	Bounded sets and totally bounded sets: Complete metric spaces; compact metric spaces, continuous functions on a compact metric space, continuity of inverse functions, uniform continuity	Internal Test-I
February 2023	Sets of measure zero, definition of the Riemann integral, existence of the Riemann integral, Properties of Riemann integral.	Internal Test-II
March 2023	Derivatives; Rolle's theorem, Law of mean, Fundamental theorems of calculus	Assignment
April 2023	Taylor's theorem, Pointwise convergence of sequences of functions, uniform convergence of sequences of functions.	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Mathematics	
Class	III B.Sc	
Semester	VI	
Subject/Subject Code	Complex Analysis / TAM6C	
Month	Topics to be covered	Remarks
December 2022	Analytic functions of a complex variable - limits - theorems on limits, continuity, differentiability - Cauchy-Riemann equations , Analytic functions – Harmonic functions, Conformal mapping	-
January 2023	Elementary transformations, Bilinear transformation, Cross ratio, Fixed points of Bilinear transformation, Mappings of Elementary functions,The mapping $w = z^2, z^n$, n is a integer $w = e^z, \sin z, \cos z$.	Internal Test-I
February 2023	Definite integral, Cauchy's theorem, Cauchy integral formula,higher derivatives.	Assignment
March 2023	Taylor's series -Laurent's series - zeros of analytic functions,Singularities	Internal Test-II
April 2023	Cauchy's Residue theorems, Evalution of Definite integrals .	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Dr.P.Sumathi	
Department	Mathematics	
Class	III B.Sc	
Semester	VI	
Subject/Subject Code	Graph Theory / TEM6B	
Month	Topics to be covered	Remarks
December 2022	Graphs, subgraphs: Definition and examples degrees, Subgraphs, isomorphism of graphs, independent sets and coverings, intersection graphs and line graphs, matrices, operation on graphs	-
January 2023	Degree sequence , Connectedness, Degree sequences,graphic sequences - simple problems, walks, trails, paths, Connectedness and components, blocks, connectivity - simple problems.	Internal Test-I
February 2023	Eulerian and hamiltonian graphs.	Assignment
March 2023	Trees : Characterisation of trees, centre of a tree-simple problems. Planarity; definition and properties, characterization of planar graphs	Internal Test-II
April 2023	Directed graphs,definition and basic properties, Paths and Connections,Digraphs and Matrices, tournaments.	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Mr.M.Madhiyazhagan	
Department	Mathematics	
Class	III B.Sc	
Semester	VI	
Subject/Subject Code	Operations Research / TEM6C	
Month	Topics to be covered	Remarks
December 2022	Linear programming: Formulation – graphical solution. Simplex method. Big-M method. Duality- primal-dual relation.	-
January 2023	Transportation problem: Mathematical Formulation. Basic Feasible solution. North West Corner rule, Least Cost Method, Vogel's approximation. Optimal Solution. Unbalanced Transportation Problems. Degeneracy in Transportation problems. Assignment problem: Mathematical Formulation. Comparison with Transportation Model. Hungarian Method. Unbalanced Assignment problems	Internal Test-I
February 2023	. Sequencing problem: n jobs on 2 machines – n jobs on 3 machines – two jobs on m machines – n jobs on m machines. Game theory : Two-person Zero-sum game with saddle point – without saddle point – dominance – solving 2 x n or m x 2 game by graphical method.	Assignment
March 2023	Queuing theory: Basic concepts. Steady state analysis of M / M / 1 and M / M / S models with finite and infinite capacities	Internal Test-II
April 2023	Network: Project Network diagram – CPM and PERT computations. (Crashing excluded)	Model Examination

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022 - 2023
Name of the Faculty	Dr.K.B.Latha& Mrs.T.Hemamalini
Department	Physics
Class	I B.Sc
Semester	II
Subject/Subject Code	Allied Mathematics-II / SM3AE

Month	Topics to be covered	Remarks
December 2022	Integral Calculus:Bernoullis formula – Reduction formulae- $\int_0^{\frac{\pi}{2}} \sin^n x \, dx$, $\int_0^{\frac{\pi}{2}} \cos^n x \, dx$, $\int_0^{\frac{\pi}{2}} \sin^m x \cos^n x \, dx$ (m,n being positive integers), Fourier series for functions in $(\alpha, \alpha + 2\pi)$.	-
January 2023	Ordinary Differential Equations: second order non-homogeneous differential equations with constant coefficients of the form ay" +by'+ cy = X where X is of the form $e^{\alpha x} \cos \beta x$ and $e^{\alpha x} \sin \beta x$.Partial Differential Equations: Formation, complete integrals and general integrals, four standard types and solving Lagrange's linear equation P p +Q q= R.	Internal Test-I
February 2023	Laplace Transforms: Laplace transformations of standard functions and simple properties, inverse Laplace transforms,Application to solution of linear differential equations up to second order- simple problems.	Assignment
March 2023	Vector Differentiation: Introduction, Scalar point functions, Vector point functions, Vector differential operatorGradient,Divergence, Curl, Solenoidal, irrotational, identities.	Internal Test-II
April 2023	Vector Integration:Line, surface and volume integrals, Gauss, Stoke's and Green's theorems (without proofs). Simple problems on these.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022 - 2023
Name of the Faculty	Dr.K.Kalpana& Mr.M.Madhiyazhagan
Department	Chemistry
Class	I B.Sc
Semester	II
Subject/Subject Code	Allied Mathematics-II / SM3AE

Month	Topics to be covered	Remarks
December 2022	Integral Calculus:Bernoullis formula – Reduction formulae- $\int_0^{\frac{\pi}{2}} \sin^n x\, dx$, $\int_0^{\frac{\pi}{2}} \cos^n x\, dx$, $\int_0^{\frac{\pi}{2}} \sin^m x \cos^n x\, dx$ (m,n being positive integers), Fourier series for functions in $(\alpha, \alpha + 2\pi)$.	-
January 2023	Ordinary Differential Equations: second order non-homogeneous differential equations with constant coefficients of the form ay" +by'+ cy = X where X is of the form $e^{\alpha x} \cos \beta x$ and $e^{\alpha x} \sin \beta x$.Partial Differential Equations: Formation, complete integrals and general integrals, four standard types and solving Lagrange's linear equation P p +Q q= R.	Internal Test-I
February 2023	Laplace Transforms: Laplace transformations of standard functions and simple properties, inverse Laplace transforms,Application to solution of linear differential equations up to second order- simple problems.	Assignment
March 2023	Vector Differentiation: Introduction, Scalar point functions, Vector point functions, Vector differential operatorGradient,Divergence, Curl, Solenoidal, irrotational, identities.	Internal Test-II
April 2023	Vector Integration:Line, surface and volume integrals, Gauss, Stoke's and Green's theorems (without proofs). Simple problems on these.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 - 2023	
Name of the Faculty	Mrs.T.Hemamalini & Mr.M.Madhiyazhagan	
Department	Commerce	
Class	II B.Com	
Semester	IV	
Subject/Subject Code	Elements of OperationsResearch / CZ34A	
Month	Topics to be covered	Remarks
December 2022	Operations Research- Meaning-Definition - Origin and History- Characteristic Features – Need-Scope –Steps- Techniques- Application- Limitations.	-
January 2023	LPP:Meaning- Requirements- Assumptions- Applications- Formulating Lpp – AdvantagesLimitations Formulating LP Model (Simple Problems only).	Internal Test-I
February 2023	Obtaining Optimal Solution for Linear Programming Problem (LPP)-Graphical Method - Problems --Simplex Method for Type of LPP and for Slack Variable Case -Maximization Function -Minimization Function (Simple Problem Only).	Assignment
March 2023	Transportation Problem:Meaning –(Initial Basic Feasible Solution)Assumptions -Degenerate Solution -North -West Corner Method- Least Cost Method -Vogels Approximation Method - Assignment ProblemsFeatures -Transportation Problem Vs Assignment Problem -Hungarian Method (Simple Problems Only).	Internal Test-II
April 2023	Game Theory:Meaning- Types of Games- Basic Assumptions- Finding Value of Game for Pure Strategy - Mixed Strategy -Indeterminate Matrix and Average Method -Graphical Method -Pure Strategy- Saddle Point Payoff Matrix Value of Game (Simple Problems Only).	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 - 2023	
Name of the Faculty	Dr.K.B.Latha	
Department	Chemistry	
Class	I B.Sc	
Semester	II	
Subject/Subject Code	Functional Mathematics-I / SM5AA	
Month	Topics to be covered	Remarks
December 2022	Ratio and Proportion	-
January 2023	Percentages	Internal Test-I
February 2023	Profit and Loss, Discounts	Assignment
March 2023	Simple Interest and Compound interest	Internal Test-II
April 2023	Solutions of Simultaneous equations, Problems on Ages and Numbers.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.	
Academic Year	2022 -2023	
Name of the Faculty	Mrs.T.Hemamalini	
Department	Mathematics	
Class	II B.Sc	
Semester	IV	
Subject/Subject Code	Environmental Studies / ENV4B	
Month	Topics to be covered	Remarks
December 2022	Multidisciplinary nature of environmental studies; Scope and importance; concept of sustainability and sustainable development. What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: Food chains, food webs and ecological succession, Case studies of the following ecosystem: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystem (ponds, stream, lakes, rivers, ocean, estuaries)	-
January 2023	Land resources and landuse change: Land degradation, soil erosion and desertification. Deforestation : Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water : Use and over –exploitation of surface and ground water, floods, droughts, conflicts over water (international and inter-state). Energy resources : Renewable and non renewable energy sources, use of alternate, energy sources, growing energy needs, case studies.	Internal Test-I
February 2023	Levels of biological diversity: genetics, species and ecosystem diversity, Biogeographic zones of India: Biodiversity patterns and global biodiversity hot spots. India as a mega- biodiversity nation, Endangered and endemic species of India. Threats to biodiversity: Habitat loss, poaching of wildlife, man- wildlife conflicts, biological invasions; Conservations of biodiversity: In-situ and Ex-situ Conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value. Environmental pollution: types,causes, effects, and control: Air,Water,Soil and Noise Pollution.Nuclear Hazards and Human health risks..Solid Waste Management: Control measures of urban and industrial waste. Pollution case studies.	Assignment

March 2023	Climate change, global warming,ozone layer depletion, acid rain and impacts on Human communities and agriculture. Environmental Protection Act , Air , Water Act , Wild Life Protection Act , Forest Conservation Act, International agreements, Montreal and Kyoto Protocol and Convention on biological diversity, nature reserves, tribal population and rights and Human wild life conflicts in Indian context.	Internal Test-II
April 2023	Human population growth,impacts on environment,human health and welfare.Resettlement and rehabilation of projects affected persons;case studys.Disaster management:Floods,earthquake, cyclone and landslides. Environmental Movements : Chipko, Silent Valley, Bishnois of Rajasthan. Environmental Ethics: Role of Indian and other religions and cultures inenvironmental conservation.Environmental communication and public awareness,case studies (e.g. CNG Vehicles in Delhi. Field Work : Visit to an area to document environmental assests; river/ forest/ floral/fauna etc. ,Visit to a local polluted site –Urban/Rural/Industrial/Agricultural. Study of common plants,insects,birds and basic principles of identification. Study of simple ecosystem-pond,river,Delhi Ridge etc.	Model Examination

HOD

LESSON PLAN

Name of the Institution	C.Kandaswami Naidu College For Men, Chennai – 600 102.
Academic Year	2022 -2023
Name of the Faculty	Mr.P.Karuppaiya
Department	Mathematics
Class	III B.Sc
Semester	V
Subject/Subject Code	Value Education / VAE5Q

Month	Topics to be covered	Remarks
July 2022	Value education-its purpose and significance in the present world – Value system – The role of culture and civilization – Holistic living – balancing the outer and inner – Body, Mind and Intellectual level – Duties and responsibilities.	-
August 2022	Salient values for life – Truth, commitment, honesty and integrity, forgiveness and love, empathy and ability to sacrifice, care, unity, and inclusiveness, Self esteem and self confidence, punctuality – Time, task and resource management – Problem solving and decision making skills – Interpersonal and Intra personal relationship – Team work – Positive and creative thinking.	Internal Test-I
September 2022	Human Rights – Universal Declaration of Human Rights – Human Rights violations – National Integration – Peace and non-violence – Dr.A P J Kalam's ten points for enlightened citizenship – Social Values and Welfare of the citizen – The role of media in value building.	Assignment
October 2022	Environment and Ecological balance – interdependence of all beings – living and non-living. The binding of man and nature – Environment conservation and enrichment. Social Evils – Corruption, Cyber crime, Terrorism – Alcoholism, Drug addiction – Dowry – Domestic violence – untouchability – female infanticide – atrocities against women – How to tackle them.	Internal Test-II
November 2022	Revision	Model Examination

HOD