

**E.M. GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution -Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A+ & CGPA 3.51 by NAAC**



# **LESSON PLAN**

## **2022-2023**

DEPARTMENT OF **MATHEMATICS**

**(UG -Odd Semester)**



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**I - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 22OUMA11

Title of the Paper: Calculus

Total Hours : 75

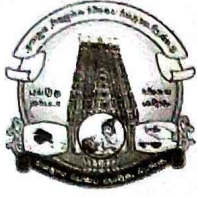
Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Successive differentiation -The $n^{\text{th}}$ derivative - standard results - Trigonometrically transformation - Formation of equations involving derivatives - Leibnitz formula for the $n^{\text{th}}$ derivative of a product. Envelopes- Curvature- Circle, radius and center of curvature- Cartesian formula for the radius of curvature- The coordinates of the center of curvature.	15	Chalk & Talk	S.S. S. Selvi
August	II	Radius of curvature when the curve is given in polar coordinates - p-r equation - pedal equation of a curve.	15	Chalk & Talk	S. Selvi
Sep	III	Successive differentiation -The $n^{\text{th}}$ derivative - standard results - Trigonometrically transformation - Formation of equations involving derivatives - Leibnitz formula for the $n^{\text{th}}$ derivative of a product. Envelopes- Curvature- Circle, radius and center of curvature- Cartesian formula for the radius of curvature- The coordinates of the center of curvature.	15	Chalk & Talk	S. Selvi
Oct	IV	Radius of curvature when the curve is given in polar coordinates - p-r equation - pedal equation of a curve.	15	Chalk & Talk	S. Selvi
Nov	V	Jacobian - Change of variables in double and triple integrals	15	Chalk & Talk	S. Selvi

Signature of the HOD

Signature of the Principal,  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**I - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 22OUMA12

Title of the Paper: Theory of Equation and Trigonometry

Total Hours : 75

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Theory of Equations: Formation of equations – Relation between roots and coefficients – Sum of the powers of the roots of an equation.	15	Chalk & Talk	A. Manickavally
August	II	Reciprocal equations, Transformation of equations, Removal of terms- Multiple roots. Nature and position of roots - Cubic equations.	15	Chalk & Talk	A. Manickavally
Sep	III	Expression for $\sin n\theta$ , $\cos n\theta$ , $\tan n\theta$ , $\sin^n \theta$ , $\cos^n \theta$ . Expansion of $\sin \theta$ , $\cos \theta$ , $\tan \theta$ in powers of $\theta$	15	Chalk & Talk	A. Manickavally
Oct	IV	Hyperbolic functions: definition-Inverse hyperbolic functions. Theory of Equations: Formation of equations – Relation between roots and coefficients	15	Chalk & Talk	A. Manickavally
Nov	V	Sum of the powers of the roots of an equation	15	Chalk & Talk	A. Manickavally

*P. S. P.*

Signature of the HOD

*A. Manickavally*  
Signature of the Principal

**PRINCIPAL I/C**  
**E.M.G. YADAVA WOMEN'S COLLEGE**  
**MADURAI-625 014**



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A+ and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**I - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 22O2MAIDI

Title of the Paper: Mathematics for Competative Examination Paper-I

Total Hours : 30

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Numbers and Simplifications	6	Chalk & Talk	S. Selvi
August	II	Average & Problems on Numbers	6	Chalk & Talk	S. Selvi
Sep	III	Problems on Ages	6	Chalk & Talk	S. Selvi
Oct	IV	Percentage, Profit and Loss	6	Chalk & Talk	S. Selvi
Nov	V	Square roots and cube roots	6	Chalk & Talk	S. Selvi

P. K. P.

Signature of the HOD

Signature of the Principal

PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**II - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 21M31

Title of the Paper: Modern Algebra

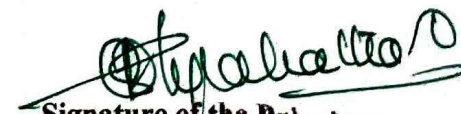
Total Hours : 90

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Groups - Definition and Example - Elements of properties of groups - equation and definition of a group - permutation groups - subgroups	18	Chalk & Talk	R.M. R. Mani.
August	II	Cyclic groups - order of an element - cosets and lagrangean theorem - normal rule - and quotient groups	18	Chalk & Talk	R. Mani.
Sep	III	Isomorphism - homeomorphism - rings - definition and example - Elementary properties of rings	18	Chalk & Talk	R. Mani.
Oct	IV	Isomorphism - Types of rings - Characteristics of a ring - Subrings	18	Chalk & Talk	R. Mani.
Nov	V	Ideals - Quotient rings - Maximal and prime ideals.	18	Chalk & Talk	R. Mani.

P. Mani.

Signature of the HOD

  
Signature of the Principal

PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution -Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC**

**DEPARTMENT OF MATHEMATICS**

**II - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

**Sub. Code : 21ME3A**

**Title of the Paper: Operations Research**

**Total Hours : 60**

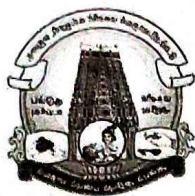
**Stream: Self-finance**

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Mathematical formulation of the problem – Graphical solution method – general linear programming problem- The computational procedure – Use of artificial variable – Degeneracy in LPP	12	Chalk & Talk	GA 
August	II	General primal – Dual pair – formulating a dual problem – primal – Dual pair in matrix form – Duality and simple method – Dual Simplex method.	12	Chalk & Talk	
Sep	III	LP formulation of the Transportation problem – Solution of a Transportation problem – Finding an initial basic feasible solution – Test for optimality – Transportation algorithm – mathematical formulation of the problem – Solution methods of Assignment problem	12	Chalk & Talk	
Oct	IV	Games and Strategies – Two person zero - Sum games – some basic terms – The maximin – Minimax principle – Games without saddle points – Mixed strategies – Graphical solution of $2 \times n$ and $m \times 2$ games – Dominance property	12	Chalk & Talk	
Nov	V	Network and basic components – Rules of Network construction time calculation in network critical path analysis	12	Chalk & Talk	

Signature of the HOD

Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**II - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 21SEM31

Title of the Paper: Application of Differential Equation

Total Hours : 30

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Orthogonal Trajectories	6	Chalk & Talk	R.M R. M.
August	II	Growth & Decay	6	Chalk & Talk	R. M.
Sep	III	Continuous compound interest - The Brachistochrone Problem	6	Chalk & Talk	R. M.
Oct	IV	Tautochronous Property of the cycloid simple electric circuits	6	Chalk & Talk	R. M.
Nov	V	Falling bodies - Simple harmonic motion	6	Chalk & Talk	R. M.

Signature of the HOD

Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution -Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023-Regular**

Sub. Code : 17M51

Title of the Paper: Modern Analysis

Total Hours : 75

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Countable Sets - Uncountable Sets - Inequalities of Holder and Minkowski - <b>Metric Spaces</b> -Definitions and - Open Ball in a Metric Dense Sets - <b>Complete Metric Spaces</b> - Completeness - Baire's Category Theorem.	15	Chalk & Talk	
August	II	<b>Continuity</b> - Continuity - Homeomorphism - Uniform Continuity.Countable Sets - Uncountable Sets - Inequalities of Holder and Minkowski - Open Ball in a Metric Space - Open Sets - Subspace - Interior of a set	15	Chalk & Talk	
Sep	III	<b>Complete Metric Spaces</b> - Completeness - Baire's Category Theorem.	15	Chalk & Talk	
Oct	IV	<b>Connectedness</b> - Definition and Examples - Connected Subsets of $\mathbb{R}$ - Connectedness and Continuity	15	Chalk & Talk	
Nov	V	<b>Connectedness</b> - Definition and Examples - Connected Subsets of $\mathbb{R}$ - Connectedness and Continuity	15	Chalk & Talk	

Signature of the HOD

Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution -Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC**  
**DEPARTMENT OF MATHEMATICS**  
**III - B.SC MATHEMATICS**  
**LESSON PLAN**  
**2022-2023**

**Sub. Code : 17M52**  
**Title of the Paper: Statistics-I**  
**Total Hours : 75**  
**Stream: Self-finance**

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Moments, Skewness and Kurtosis: Moments-Skewness-Kurtosis-Curve fitting a straight line-Fitting a second Degree Parabola. Correlation and Regression: Correlation-Rank Correlation-Regression-Correlation Coefficient for a Bivariate frequency Distribution.	15	Chalk & Talk	
August	II	Theory of Attribute: Theory of attributes-Attributes consistency of Data-Independence and Association of data. Index number: Index numbers-Aggregate Method-Average of Price relatives Method-Weighted aggregative Method-Weighted Average of Price Relative Method-Consumer Price Index number (cost of living index number)	15	Chalk & Talk	

Sep	III	Probability: Probability-conditional Probability Moments, Skewness and Kurtosis: Moments-Skewness-Kurtosis-Curve fitting a straight line-Fitting a second Degree Parabola.	15	Chalk & Talk	<i>P. Hemath</i>
Oct	IV	Correlation and Regression: Correlation-Rank Correlation-Regression-Correlation Coefficient for a Bivariate frequency Distribution. Theory of Attribute: Theory of attributes-Attributes consistency of Data-Independence and Association of data.	15	Chalk & Talk	<i>P. Hemath</i>
Nov	V	Index number: Index numbers-Aggregate Method-Average of Price relatives Method-Weighted aggregative Method-Weighted Average of Price Relative Method-Consumer Price Index number (cost of living index number)	15	Chalk & Talk	<i>P. Hemath</i>

*P. H. P.*

Signature of the HOD

*P. Hemath*  
 Signature of the Principal  
**PRINCIPAL I/C**  
**E.M.G. YADAVA WOMEN'S COLLEGE**  
**MADURAI-625 014**





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution - Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC**

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

**Sub. Code : 17M53**

**Title of the Paper: Dynamics**

**Total Hours : 60**

**Stream: Self-finance**

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	<b>Projectiles –</b> Definitions – Two fundamental principles – Path of a Projectile is a parabola – Characteristics of the motion of a projectile - To determine when the horizontal range of a projectile is velocity of projection – To show that, for a given initial velocity of projection there are, in general to possible directions of projections so as to obtain a given horizontal range.	12	Chalk & Talk	R.R. R. Revathi
August	II	<b>Projectiles –</b> Definitions – Two fundamental principles – Path of a Projectile is a parabola – Characteristics of the motion of a projectile - To determine when the horizontal range of a projectile is velocity of projection – To show that, for a given initial velocity of projection there are, in general to possible directions of projections so as to obtain a given horizontal range.	12	Chalk & Talk	R. Revathi

Sep	III	<b>Collision of Elastic Bodies</b> – Definitions – Fundamental laws of impact – Impact on the smooth sphere on a fixed smooth plane – Direct impact of two smooth spheres – Oblique impact of two smooth spheres – Laws of kinetic energy due to oblique impact of two smooth sphere.	12	Chalk & Talk	J. Revathy.
Oct	IV	<b>Simple Harmonic Motions</b> – Simple Harmonic Motion in a Straight line – General solution of S.H.M Equation – Geometrical – Composition of two Simple Harmonic Motion of the same period in two perpendicular directions.(	12	Chalk & Talk	J. Revathy.
Nov	V	<b>Simple Harmonic Motions</b> – Simple Harmonic Motion in a Straight line – General solution of S.H.M Equation – Geometrical – Composition of two Simple Harmonic Motion of the same period in two perpendicular directions.	12	Chalk & Talk	J. Revathy.

*p.r.f.*

Signature of the HOD

*J. Revathy*  
 Signature of the Principal  
 PRINCIPAL I/C  
 E.M.G. YADAVA WOMEN'S COLLEGE  
 MADURAI-625 014





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 17ME5A

Title of the Paper: Linear Algebra

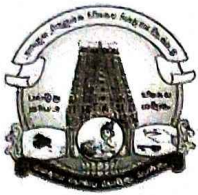
Total Hours : 60

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Vector Spaces: Definition and Examples-Subspaces-Linear Transformations. Vector Space: Span of a set -Linear Independence-Basis and Dimensions-Rank and Nullity-Matrix of Linear Transformation.	12	Chalk & Talk	
August	II	Inner Product space-Definition of Examples-Orthogonality-Orthogonal Complement. Theory of Matrices: Algebra of Matrices-Types of Matrices-Inverse of Matrix.	12	Chalk & Talk	
Sep	III	Theory of Matrices: Elementary Transformations-Rank of a Matrix-Simultaneous Linear Equations-Characteristic Equation and Cayley Hamilton Theorem-Eigen values and Eigen Vector Spaces: Definition and Examples-Subspaces-Linear Transformations.	12	Chalk & Talk	
Oct	IV	Vector Space: Span of a set -Linear Independence-Basis and Dimensions-Rank and Nullity-Matrix of Linear Transformation. Inner Product space-Definition of Examples-Orthogonality-Orthogonal Complement.	12	Chalk & Talk	
Nov	V	Theory of Matrices: Algebra of Matrices-Types of Matrices-Inverse of Matrix.	12	Chalk & Talk	

Signature of the HOD

Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution - Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 17AA51

Title of the Paper: Programming in C

Total Hours : 60

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Overview of C- Constant, Variable and Data Types. Operators and Expressions- Decision Making and Branching	12	Chalk & Talk	M. K. K. K.
August	II	Arrays-Character Arrays and Strings User-defined Functions	12	Chalk & Talk	M. K. K. K.
Sep	III	Structures and Unions - Pointers Overview of C- Constant, Variable and Data Types.	12	Chalk & Talk	M. K. K. K.
Oct	IV	Operators and Expressions- Decision Making and Branching Arrays-Character Arrays and Strings	12	Chalk & Talk	M. K. K. K.
Nov	V	User-defined Functions	12	Chalk & Talk	M. K. K. K.

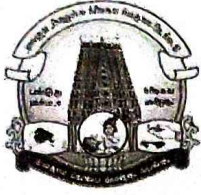
*P. K. K.*

Signature of the HOD

*M. K. K. K.*  
Signature of the Principal

**PRINCIPAL I/C**  
**E.M.G. YADAVA WOMEN'S COLLEGE**  
**MADURAI-625 014**





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
An Autonomous Institution – Affiliated to Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 17AA5P  
Title of the Paper: C Practicals  
Total Hours : 30  
Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Simple interest Compound interest and find the $n_{cr}$ values using functions Greatest number among 3 numbers. to sort the numbers in Ascending order to add the given two matrices	6	PPT & Lab Practice	
August	II	Salesman commission & to maintain the employee details using structure. using pointers Check a given number is Armstrong.	6	PPT & Lab Practice	
Sep	III	Reverse a given digit the given string-checking Palindrome Find the sum of the digits. Simple interest Compound interest and find the $n_{cr}$ values using functions	6	PPT & Lab Practice	
Oct	IV	Greatest number among 3 numbers. to sort the numbers in Ascending order to add the given two matrices Salesman commission & to maintain the employee details using structure. using pointers	6	PPT & Lab Practice	
Nov	V	Check a given number is Armstrong.	6	PPT & Lab Practice	

Signature of the HOD

**PRINCIPAL I/C**  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution -Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC**  
**DEPARTMENT OF MATHEMATICS**  
**III - B.SC MATHEMATICS**  
**LESSON PLAN**  
**2022-2023**

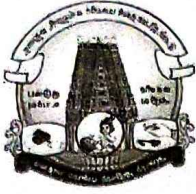
Sub. Code : 17SEM51  
Title of the Paper: Vector Calculus  
Total Hours : 30  
Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Structures and Unions – Pointers Divergence and Curl – Solved problems.	6	Chalk & Talk	
August	II	Directional derivative – Solenoidal - Irrotational vectors. Line integral –Surface integral(without problems)	6	Chalk & Talk	
Sep	III	Theorems of Green, Gauss and Stoke's theorem (without proof) Simple applications. Structures and Unions – Pointers	6	Chalk & Talk	
Oct	IV	Divergence and Curl – Solved problems. Directional derivative – Solenoidal - Irrotational vectors.	6	Chalk & Talk	
Nov	V	Line integral –Surface integral(without problems)	6	Chalk & Talk	

Signature of the HOD

Signature of the Principal  
**PRINCIPAL I/C**  
**E.M.G. YADAVA WOMEN'S COLLEGE**  
**MADURAI-625 014**





**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution - Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A<sup>+</sup> and CGPA 3.51 by NAAC**

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

Sub. Code : 17SEM52

Title of the Paper: Quantitative Aptitude

Total Hours : 30

Stream: Self-finance

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Problems on Numbers & Problems on Ages Profit and Loss-Ratio and Proportion	6	Chalk & Talk	
August	II	Time and Work-Time and Distance Averages - Probability	6	Chalk & Talk	
Sep	III	Permutations and Combinations - Heights & Distance Problems on Numbers & Problems on Ages	6	Chalk & Talk	
Oct	IV	Profit and Loss-Ratio and Proportion Time and Work-Time and Distance	6	Chalk & Talk	
Nov	V	Averages - Probability	6	Chalk & Talk	

Signature of the HOD

Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014



**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**  
**An Autonomous Institution -Affiliated to Madurai Kamaraj University**  
**Re-accredited (3<sup>rd</sup> Cycle) with Grade A+ and CGPA 3.51 by NAAC**

**DEPARTMENT OF MATHEMATICS**

**III - B.SC MATHEMATICS**

**LESSON PLAN**

**2022-2023**

**Sub. Code : 174EV5**

**Title of the Paper: Environmental Studies**

**Total Hours : 30**

**Stream: Self-finance**

Month	Unit	Description Of The Syllabus	Hours Allocated	Teaching Mode & Methods	Course Teacher Signature
July	I	Introduction – Environmental Studies – Nature, scope, importance - Natural resources – Forest resources Deforestation – Aforestration – Water Resources Eco system – concept of structure of functions – energy flow – food chain – food web – Ecological pyramid types of ecosystem – aquation and terrestrial	6	Chalk & Talk	S. Selvi
August	II	Bio diversity – definition value of bio diversity – India – Omega diversity zone – hotspots – endangered and endemic spices of India – threat to bio-diversity conservation of Bio-diversity	6	Chalk & Talk	S. Selvi
Sep	III	Introduction – Environmental Studies – Nature, scope, importance - Natural resources – Forest resources Deforestation – Aforestration – Water Resources Eco system – concept of structure of functions – energy flow – food chain – food web – Ecological pyramid types of ecosystem – aquation and terrestrial	6	Chalk & Talk	S. Selvi
Oct	IV	Bio diversity – definition value of bio diversity – India – Omega diversity zone – hotspots – endangered and endemic spices of India – threat to bio-diversity conservation of Bio-diversity	6	Chalk & Talk	S. Selvi
Nov	V	Social issues – Unsustainable to sustainable development – Climate change – Green house effect - Global warming – Population – Explosion Women and child welfare relating to environment	6	Chalk & Talk	S. Selvi

*[Handwritten Signature]*

Signature of the HOD

*[Handwritten Signature]*  
Signature of the Principal  
PRINCIPAL I/C  
E.M.G. YADAVA WOMEN'S COLLEGE  
MADURAI-625 014