## Government College for Women, Hisar

### **Lesson Plan**

| Class : BA-II/B.Sc-II    | Teacher Name : Mr. Anil Budania   |
|--------------------------|---|
| Subject : PDE & SF       | Subject Code : CML-406  |
| Date                     | Topics  |
| 01/01/2025-04/01/2025    | UNIT-I Partial differential equations: Formation, order and degree  |
| 06/01/2025-11/01/2025    | Linear and Non-Linear Partial differential equations of the first order. Complete solution, singular solution, General solution   |
| 13/01/2025-18/01/2025    | Solution of Lagrange's linear equations, Charpit's general method of solution   |
| 20/01/2025-25/01/2025    | Compatible systems of first order equations, Jacobi's method  |
| 27/01/2025-01/02/2025    | <b>UNIT-II</b> Linear partial differential equations of second and higher orders, Linear and non-linear homogeneous and non-homogeneous equations with constant coefficients  |
| 03/02/2025-08/02/2025    | Partial differential equation with variable coefficients reducible to equations with constant coefficients, their complimentary functions and particular integrals  |
| 10/02/2025-15/02/2025    | Equations reducible to linear equations with constant coefficients  |
| 17/02/2025-22/02/2025    | Method of separation of variables: Solution of Laplace's equation, Wave equation (one and two dimensions)   |
| 24/02/2025-01/03/2025    | Diffusion (Heat) equation (one and two dimension) in Cartesian Co-ordinate system   |
| Minor-I/Assignments      | Sessional Test  |
| 03/03/2025-08/03/2025    | UNIT-III Classification of linear partial differential equations of second order, hyperbolic, parabolic and elliptic types, Reduction of second order linear partial differential equations to Canonical (Normal) forms and their solutions |
| 10/03/2025-15/03/2025    | Solution of linear hyperbolic equations, Monge's method for partial differential equations of second order  |
| 17/03/2025-22/03/2025    | Cauchy's problem for second order partial differential equations  |
| 24/03/2025-29/03/2025    | Characteristic equations and characteristic curves of second order partial differential equation  |
| 31/03/2025-05/04/2025    | Series solution of differential equations – Power series method. Bessel equation and its solution: Bessel functions and their properties  |
| Minor-II/<br>Assignments | Sessional Test  |
| 07/04/2025-12/04/2025    | Convergence, recurrence, Relations and generating functions, Orthogonality of Bessel functions  |
| 14/04/2025-19/04/2025    | Legendre differential equation and its solution: Legendre function and its properties-<br>Recurrence Relations and generating functions   |

| 21/04/2025-26/04/2025 | Orthogonality of Legendre polynomial. Rodrigues' Formula for Legendre Polynomial. |
|-----------------------|---|
| 28/04/2025-03/05/2026 | Revision  |

Signature

|                                     | Signature  |
|-------------------------------------|--|
| Government College for Women, Hisar |  |
| Lesson Plan                         |  |
|                                     | Session 2024-25 Even Semester  |
| Class : BA-III/B.Sc-III<br>NM       | Teacher Name : Dr. Harsha, Sonal   |
| Subject : Mechanics-II              | Subject Code: BAMH 305(i),CML606(i)  |
| Date                                | Topics   |
| 01/01/2025-04/01/2025               | UNIT-I Analytical conditions of equilibrium of coplanar forces:Equilibrium of three forces                         |
| 06/01/2025-11/01/2025               | Conditions of equilibrium, trigonometric theorem's, conditions of equilibrium of co-oplanar forces                 |
| 13/01/2025-18/01/2025               | Friction, definition of friction and basic laws, problems based on equilibrium of rods and ladders                 |
| 20/01/2025-25/01/2025               | Centre of gravity of uniform rod and thin uniform lamina   |
| 27/01/2025-01/02/2025               | UNIT-II Motion of a particle attached to an elastic string, Hooke's law  |
| 03/02/2025-08/02/2025               | Motion of horizontal and vertical elastic string, Defnition of Work, Power and Energy                              |
| 10/02/2025-15/02/2025               | Work done by a variable force, work done in stretching an elastic string, principle of work and energy             |
| 17/02/2025-22/02/2025               | Conservative system of forces, principle of conservation of energy, impulse of constant forces and variable forces |
| 24/02/2025-01/03/2025               | UNIT-III Motion of a particle on smooth curves   |
| Minor-I/Assignments                 | Sessional Test   |
| 03/03/2025-08/03/2025               | Motion on the outside and inside of a smooth vertical circle   |
| 10/03/2025-15/03/2025               | Cycloidal Motion   |
| 17/03/2025-22/03/2025               | Motion on a rough curve under gravity  |
| 24/03/2025-29/03/2025               | UNIT-IV Projectile motion of a particle in a plane   |
| 31/03/2025-05/04/2025               | Velocity at any point of the trajectory, directions of projection for a particle                                   |
| Minor-II/<br>Assignments            | Sessional Test   |

| 07/04/2025-12/04/2025 | Range and time of flight on an inclined plane                  |
|-----------------------|--|
| 14/04/2025-19/04/2025 | Direction of projection for a given velocity and a given range |
| 21/04/2025-26/04/2025 | Range and time of flight down an inclined plane                |
| 28/04/2025-03/05/2026 | Revision   |

| Lesson Plan<br>Session 2024-25 Even Semester |  |
|--|--|
| Class : BA-III/B.Sc-III<br>CS                |  |
| Subject : Mechanics-II                       | Subject Code : BAMH 305(i),CML606(i)   |
| Date   | Topics   |
| 01/01/2025-04/01/2025                        | UNIT-I Analytical conditions of equilibrium of coplanar forces:Equilibrium of three forces                         |
| 06/01/2025-11/01/2025                        | Conditions of equilibrium, trigonometric theorem's, conditions of equilibrium of co-oplanar forces                 |
| 13/01/2025-18/01/2025                        | Friction, definition of friction and basic laws, problems based on equilibrium of rods and ladders                 |
| 20/01/2025-25/01/2025                        | Centre of gravity of uniform rod and thin uniform lamina   |
| 27/01/2025-01/02/2025                        | UNIT-II Motion of a particle attached to an elastic string, Hooke's law  |
| 03/02/2025-08/02/2025                        | Motion of horizontal and vertical elastic string, Defnition of Work, Power and Energy                              |
| 10/02/2025-15/02/2025                        | Work done by a variable force, work done in stretching an elastic string, principle of work and energy             |
| 17/02/2025-22/02/2025                        | Conservative system of forces, principle of conservation of energy, impulse of constant forces and variable forces |
| 24/02/2025-01/03/2025                        | UNIT-III Motion of a particle on smooth curves   |
| Minor-I/Assignments                          | Sessional Test   |
| 03/03/2025-08/03/2025                        | Motion on the outside and inside of a smooth vertical circle   |
| 10/03/2025-15/03/2025                        | Cycloidal Motion   |
| 17/03/2025-22/03/2025                        | Motion on a rough curve under gravity  |
| 24/03/2025-29/03/2025                        | UNIT-IV Projectile motion of a particle in a plane   |
| 31/03/2025-05/04/2025                        | Velocity at any point of the trajectory, directions of projection for a particle                                   |
| Minor-II/<br>Assignments                     | Sessional Test   |
| 07/04/2025-12/04/2025                        | Range and time of flight on an inclined plane  |
| 14/04/2025-19/04/2025                        | Direction of projection for a given velocity and a given range   |
| 21/04/2025-26/04/2025                        | Range and time of flight down an inclined plane  |
| 28/04/2025-03/05/2026                        | Revision   |

| Class : BA-III/B.Sc-III<br>NM          | Teacher Name : Dr. Harsha  |
|--|--|
| Subject : Real And<br>Complex Analysis | Subject Code : BAMH 306(i),CML607(i)   |
| Date                                   | Topics   |
| 01/01/2025-04/01/2025                  | UNIT-I Definition and examples of metric spaces                                    |
| 06/01/2025-11/01/2025                  | Limit points, interior points, open and closed sets                                |
| 13/01/2025-18/01/2025                  | Closure and interior, boundry points, subspaces of a metric space                  |
| 20/01/2025-25/01/2025                  | Equivalent metrices, Cauchy sequences ,Completeness, Cantor's intersection theorem |
| 27/01/2025-01/02/2025                  | UNIT-II Baire's category theorem, Contraction principle, Continuous functions      |
| 03/02/2025-08/02/2025                  | Uniform Continuity, Compactness of metric spaces, sequential compactness           |
| 10/02/2025-15/02/2025                  | Bolzano-Weierstrass property, total boundedness                                    |
| 17/02/2025-22/02/2025                  | finite intersection property, continuity in relation with compactness              |
| 24/02/2025-01/03/2025                  | UNIT-III Improper integral and their convergence                                   |
| Minor-I/Assignments                    | Sessional Test   |
| 03/03/2025-08/03/2025                  | Compaision tests, Abel's test  |
| 10/03/2025-15/03/2025                  | Dirichlet's tests, Frullani"s integral   |
| 17/03/2025-22/03/2025                  | Integral as a function of a parameter  |
| 24/03/2025-29/03/2025                  | Continuity and Differentiability of an integral as a function of parameter         |
| 31/03/2025-05/04/2025                  | Integrability of an integral as a function of parameter                            |
| Minor-II/<br>Assignments               | Sessional Test   |
| 07/04/2025-12/04/2025                  | Topology of Complex Numbers  |
| 14/04/2025-19/04/2025                  | Calculus of complex Functions  |
| 21/04/2025-26/04/2025                  | Calculus of complex Functions  |

| Class : BA-III/B.Sc-III<br>CS          | Teacher Name : Ms Sonal  |
|--|--|
| Subject : Real And<br>Complex Analysis | Subject Code: BAMH 306(i),CML607(i)  |
| Date Date                              | Topics   |
| 01/01/2025-04/01/2025                  | UNIT-I Definition and examples of metric spaces                                    |
| 06/01/2025-11/01/2025                  | Limit points, interior points, open and closed sets                                |
| 13/01/2025-18/01/2025                  | Closure and interior, boundry points, subspaces of a metric space                  |
| 20/01/2025-25/01/2025                  | Equivalent metrices, Cauchy sequences ,Completeness, Cantor's intersection theorem |
| 27/01/2025-01/02/2025                  | UNIT-II Baire's category theorem, Contraction principle, Continuous functions      |
| 03/02/2025-08/02/2025                  | Uniform Continuity, Compactness of metric spaces, sequential compactness           |
| 10/02/2025-15/02/2025                  | Bolzano-Weierstrass property, total boundedness                                    |
| 17/02/2025-22/02/2025                  | finite intersection property, continuity in relation with compactness              |
| 24/02/2025-01/03/2025                  | UNIT-III Improper integral and their convergence                                   |
| Minor-I/Assignments                    | Sessional Test   |
| 03/03/2025-08/03/2025                  | Compaision tests, Abel's test  |
| 10/03/2025-15/03/2025                  | Dirichlet's tests, Frullani"s integral   |
| 17/03/2025-22/03/2025                  | Integral as a function of a parameter  |
| 24/03/2025-29/03/2025                  | Continuity and Differentiability of an integral as a function of parameter         |
| 31/03/2025-05/04/2025                  | Integrability of an integral as a function of parameter                            |
| Minor-II/<br>Assignments               | Sessional Test   |
| 07/04/2025-12/04/2025                  | Topology of Complex Numbers  |
| 14/04/2025-19/04/2025                  | Calculus of complex Functions  |
| 21/04/2025-26/04/2025                  | Calculus of complex Functions  |

| Class : BA-II/B.Sc-II    | Teacher Name : Mr. Anil Budania  |
|--------------------------|--|
| Subject : Mechanics-I    | Subject Code : CML-407   |
| Date                     | Topics   |
| 01/01/2025-04/01/2025    | UNIT-I Forces in two dimension (co-planner), triangle law and polygon law of forces  |
| 06/01/2025-11/01/2025    | Lami's theorem, resultant of concurrent and coplanar forces, conditions of equilibrium of concurrent forces  |
| 13/01/2025-18/01/2025    | Parallel forces: like parallel and unequal unlike parallel forces, resultant and centre of parallel forces   |
| 20/01/2025-25/01/2025    | Moments and Couples.   |
| 27/01/2025-01/02/2025    | UNIT-II Forces in three dimensions, Poinsot'scentral axis  |
| 03/02/2025-08/02/2025    | conditions for the reduction of a general system of forces in space to a single force, equations of central axis                                       |
| 10/02/2025-15/02/2025    | Wrenches: Definition and basic laws, resultant wrench of two wrenches, locus of the central axis of two wrenches                                       |
| 17/02/2025-22/02/2025    | Null lines and null planes.  |
| 24/02/2025-01/03/2025    | UNIT-III Velocity and acceleration along a plane curve, component of velocity and acceleration in radial, transverse, tangential and normal directions |
| Minor-I/Assignments      | Sessional Test   |
| 03/03/2025-08/03/2025    | Relative velocity and acceleration   |
| 10/03/2025-15/03/2025    | Holi Vacations   |
| 17/03/2025-22/03/2025    | Simple harmonic motion (SHM)   |
| 24/03/2025-29/03/2025    | <b>UNIT-IV</b> Newton's laws of motion, Central Orbits, differential equations of Central Orbits in polar form and in pedal form                       |
| 31/03/2025-05/04/2025    | areal velocity, elliptic, hyperbolic and parabolic orbit, velocity in a circle, apse and apsidal distances   |
| Minor-II/<br>Assignments | Sessional Test   |
| 07/04/2025-12/04/2025    | definition and laws, velocity from infinity, Kepler's laws of planetary motion   |
| 14/04/2025-19/04/2025    | equivalence of Kepler's laws of planetary motion and Newton's law of gravitation   |
| 21/04/2025-26/04/2025    | motion under the inverse square law.   |

| Class : BA-III/B.Sc-III<br>NM | Teacher Name : Dr. Harsha   |
|-------------------------------|---|
| Subject : Linear<br>Algebra   | Subject Code : BAMH 304(i),CML605(i)  |
| Date                          | Topics  |
| 01/01/2025-04/01/2025         | UNIT-I Vector spaces, subspaces, sum and Direct sum of subspaces                                  |
| 06/01/2025-11/01/2025         | Linear span, Linearly Independent and Dependent subsets of a vector space                         |
| 13/01/2025-18/01/2025         | Finitely generated vector space, Existence theorem for basis of a finitely generated vector space |
| 20/01/2025-25/01/2025         | Finite Dimensional vector spaces, Dimensions, Quotientspace and its dimension                     |
| 27/01/2025-01/02/2025         | UNIT-II Homomorphism and isomorphism of vector spaces, Linear transformations                     |
| 03/02/2025-08/02/2025         | Linear forms of a vectoe space, vector space of all the linear transformations                    |
| 10/02/2025-15/02/2025         | Null space,Range space of a linear transformation   |
| 17/02/2025-22/02/2025         | Rank and Nullity Theorem and related problems   |
| 24/02/2025-01/03/2025         | UNIT-III Algebra of Linear transformations  |
| Minor-I/Assignments           | Sessional Test  |
| 03/03/2025-08/03/2025         | Minimal Polynomial of a linear transformation, Singular and Non -Singular linear transformations  |
| 10/03/2025-15/03/2025         | Matrix of a linear transformation, change of basis  |
| 17/03/2025-22/03/2025         | Eigen values and Eigen vectors of a Linear Transformations  |
| 24/03/2025-29/03/2025         | UNIT-IV Inner product spaces, Cauchy-Schwarz inequality   |
| 31/03/2025-05/04/2025         | Orthogonal complements, Orthogonal sets and Basis   |
| Minor-II/<br>Assignments      | Sessional Test  |
| 07/04/2025-12/04/2025         | Bessel's inequality for finite Dimensional vector spaces  |
| 14/04/2025-19/04/2025         | Gram-Schmidt Orthogonalisation process, Adjoint of a Linear transformation and its properties     |
| 21/04/2025-26/04/2025         | Unitary linear transformations  |

| Class : BA-III/B.Sc-III<br>CS | Teacher Name : Ms Sonal   |
|-------------------------------|---|
| Subject : Linear<br>Algebra   | Subject Code : BAMH 304(i),CML605(i)  |
| Date                          | Topics  |
| 01/01/2025-04/01/2025         | UNIT-I Vector spaces, subspaces, sum and Direct sum of subspaces                                  |
| 06/01/2025-11/01/2025         | Linear span, Linearly Independent and Dependent subsets of a vector space                         |
| 13/01/2025-18/01/2025         | Finitely generated vector space, Existence theorem for basis of a finitely generated vector space |
| 20/01/2025-25/01/2025         | Finite Dimensional vector spaces, Dimensions, Quotientspace and its dimension                     |
| 27/01/2025-01/02/2025         | UNIT-II Homomorphism and isomorphism of vector spaces, Linear transformations                     |
| 03/02/2025-08/02/2025         | Linear forms of a vectoe space, vector space of all the linear transformations                    |
| 10/02/2025-15/02/2025         | Null space,Range space of a linear transformation   |
| 17/02/2025-22/02/2025         | Rank and Nullity Theorem and related problems   |
| 24/02/2025-01/03/2025         | UNIT-III Algebra of Linear transformations  |
| Minor-I/Assignments           | Sessional Test  |
| 03/03/2025-08/03/2025         | Minimal Polynomial of a linear transformation, Singular and Non -Singular linear transformations  |
| 10/03/2025-15/03/2025         | Matrix of a linear transformation, change of basis  |
| 17/03/2025-22/03/2025         | Eigen values and Eigen vectors of a Linear Transformations  |
| 24/03/2025-29/03/2025         | UNIT-IV Inner product spaces, Cauchy-Schwarz inequality   |
| 31/03/2025-05/04/2025         | Orthogonal complements, Orthogonal sets and Basis   |
| Minor-II/<br>Assignments      | Sessional Test  |
| 07/04/2025-12/04/2025         | Bessel's inequality for finite Dimensional vector spaces  |
| 14/04/2025-19/04/2025         | Gram-Schmidt Orthogonalisation process, Adjoint of a Linear transformation and its properties     |
| 21/04/2025-26/04/2025         | Unitary linear transformations  |

| Class : BA-III/B.Sc-III<br>NM | Teacher Name : Dr. Harsha, Sonal     |
|-------------------------------|--------------------------------------|
| Subject : Solid<br>Geometry   | Subject Code: BAMH 307(i),CML608(i)  |
| Date                          | Topics                               |
| 01/01/2025-04/01/2025         | UNIT-I Central Conicoids             |
| 06/01/2025-11/01/2025         | Equation of tangent plane            |
| 13/01/2025-18/01/2025         | Director sphere                      |
| 20/01/2025-25/01/2025         | Normal to the conicoids              |
| 27/01/2025-01/02/2025         | Polar plane of a point               |
| 03/02/2025-08/02/2025         | Envelopeing cone of a conicoid       |
| 10/02/2025-15/02/2025         | Envelopeing cylinder of a conicoid   |
| 17/02/2025-22/02/2025         | UNIT-II Paraboloids                  |
| 24/02/2025-01/03/2025         | Circular section                     |
| Minor-I/Assignments           | Sessional Test                       |
| 03/03/2025-08/03/2025         | plane sections of conicoids          |
| 10/03/2025-15/03/2025         | plane sections of conicoids          |
| 17/03/2025-22/03/2025         | Generating lines                     |
| 24/03/2025-29/03/2025         | confocal conicoids                   |
| 31/03/2025-05/04/2025         | confocal conicoids                   |
| Minor-II/<br>Assignments      | Sessional Test                       |
| 07/04/2025-12/04/2025         | Reduction of second degree equations |
| 14/04/2025-19/04/2025         | Reduction of second degree equations |
| 21/04/2025-26/04/2025         | Revision                             |

| Class : BA-III/B.Sc-III<br>CS | Teacher Name : Ms Sonal              |
|-------------------------------|--------------------------------------|
| Subject : Solid<br>Geometry   | Subject Code : BAMH 307(i),CML608(i) |
| Date                          | Topics                               |
| 01/01/2025-04/01/2025         | UNIT-I Central Conicoids             |
| 06/01/2025-11/01/2025         | Equation of tangent plane            |
| 13/01/2025-18/01/2025         | Director sphere                      |
| 20/01/2025-25/01/2025         | Normal to the conicoids              |
| 27/01/2025-01/02/2025         | Polar plane of a point               |
| 03/02/2025-08/02/2025         | Envelopeing cone of a conicoid       |
| 10/02/2025-15/02/2025         | Envelopeing cylinder of a conicoid   |
| 17/02/2025-22/02/2025         | UNIT-II Paraboloids                  |
| 24/02/2025-01/03/2025         | Circular section                     |
| Minor-I/Assignments           | Sessional Test                       |
| 03/03/2025-08/03/2025         | plane sections of conicoids          |
| 10/03/2025-15/03/2025         | plane sections of conicoids          |
| 17/03/2025-22/03/2025         | Generating lines                     |
| 24/03/2025-29/03/2025         | confocal conicoids                   |
| 31/03/2025-05/04/2025         | confocal conicoids                   |
| Minor-II/<br>Assignments      | Sessional Test                       |
| 07/04/2025-12/04/2025         | Reduction of second degree equations |
| 14/04/2025-19/04/2025         | Reduction of second degree equations |
| 21/04/2025-26/04/2025         | Revision                             |

| Subject : Calculus    | Class : BA-I/B.Sc-I(PS)   |
|-----------------------|---|
| Subject Code : C24MA  | Teacher Name : Mr. Anil Budania   |
|                       |   |
| Date                  | Topics  |
| 14/01/2025-18/01/2025 | Unit-I ε-δ definition of the limit of a function. Basic properties of limits                |
| 20/01/2025-25/01/2025 | Continuous functions and classification of discontinuities.                                 |
| 27/01/2025-01/02/2025 | Differentiability.  |
| 03/02/2025-08/02/2025 | Successive differentiation  |
| 10/02/2025-15/02/2025 | Leibnitz theorem. Maclaurin's and Taylor's series expansions                                |
| 17/02/2025-22/02/2025 | Maclaurin's and Taylor's series expansions  |
| 24/02/2025-01/03/2025 | Unit-II Indeterminate forms. Limit and continuity of real valued functions of two variables |
| Minor-I/Assignments   | Partial differentiation, Total differentials  |
| 03/03/2025-08/03/2025 | Partial derivatives of Composite functions & Implicit functions using change of variables   |
| 10/03/2025-15/03/2025 | Holi Vacations  |
| 17/03/2025-22/03/2025 | Unit - III Homogenous functions & Euler's theorem on homogeneous functions.                 |
| 24/03/2025-29/03/2025 | Taylor's theorem for functions of two variables.  |
| 31/03/2025-05/04/2025 | Differentiability of real valued functions of two variables                                 |
| Minor-II/ Assignments | Sessional Test  |
| 07/04/2025-12/04/2025 | Schwarz's and Young's theorem   |
| 14/04/2025-19/04/2025 | Unit - IV Maxima, minima and saddle points of functions of two variables                    |
| 21/04/2025-26/04/2025 | Lagrange's method of multipliers  |
| 28/04/2025-03/05/2026 | Beta and Gamma Functions  |
| 05/05/2025-10/05/2027 | Double and triple integrals   |
| 12/05/2025-17/05/2028 | Double and triple integrals   |
| 19/05/2025-24/05/2029 | Revision  |

| Lesson Plan  |  |  |
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| Session 2024-25 Even Semester                                  |  |  |
| Class : BA-I/B.Com I   |  |  |
|  |  |  |
| Teacher Name : Mrs. Sonal                                      |  |  |
|  |  |  |
|  |  |  |
| Topics   |  |  |
| Simple interest, bank discount, Compound interest              |  |  |
| Growth and depreciation of value and population                |  |  |
| Annuities, future value and present value of annuity           |  |  |
| Holi Vacations   |  |  |
| total amount of annuity and application of annuity             |  |  |
| Data: raw and organised data                                   |  |  |
| frequency and grouped data                                     |  |  |
| Sessional Test   |  |  |
| Representation of data: Pictograph,Bar graph, Double Bar graph |  |  |
| Histogram, Pie chart   |  |  |
| Chance and probability   |  |  |
| Sessional Test   |  |  |
| Chance, random experiment                                      |  |  |
| Equally likely outcomes as events                              |  |  |
| Probability  |  |  |
| Revision   |  |  |
|  |  |  |

| Government College for Women, Hisar Lesson Plan Session 2024-25 Even Semester |   |
|---|---|
| Subject : Contribution of Indian Mathematicians                               | Class: BA-I/B.Sc I(PS)  |
| Subject Code :<br>C24VAC114T  | Teacher Name : Mrs. Sonal   |
| Date  | Topics  |
| 17/02/2025-22/02/2025   | Contribution in ancient and medieval Period   |
| 24/02/2025-01/03/2025   | Development of Indian mathematics during vedic and ancient period   |
| 03/03/2025-08/03/2025   | Mathematical ideas in the Vedas and Manuscripts in Indian mathematics   |
| 10/03/2025-15/03/2025   | Holi Vacations  |
| 17/03/2025-22/03/2025   | Mathematical contribution of Baudhayana, Pingala, Aryabhatta  |
| 24/03/2025-29/03/2025   | Brahmagupta, Bhaskaracharya and Lilavati  |
| 31/03/2025-05/04/2025   | Kerala School of Mathematics, Madhava of Sangamagrama, overview of Historical backgrounds and their contribution  |
| Minor-I/ Assignments  | Sessional Test  |
| 07/04/2025-12/04/2025   | Contribution in Modern period: Srinivasa Ramanujan, Satyendra Nath Bose ,Radhanath Sikdar, D.R. Kaprekar: Early life, education, challenges, achievement and their contribution |
| 14/04/2025-19/04/2025   | Introduction to prestigious Ramanujan Award, Field Medal, Abel Prize  |
|   | Biography and contribution of Mathematicians from India   |
| Minor-II/ Assignments   | Sessional Test  |
| 28/04/2025-03/05/2026   | Subrahmanyan Chandrasekhar  |
| 05/05/2025-10/05/2027   | C.R. Rao, S.R. Srinivasa Varadhan   |
| 12/05/2025-17/05/2028   | Akshay Venkutesh, Hurish Chandra  |
| 19/05/2025-24/05/2029   | Revision  |