**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan EvenSemester (UG and PG)**

**Session (2022-2023)**

**Class: B.Sc./B.A. III**   **Name of the Teacher:DrUrmila Rani**

**Subject: Mathematics Period : 1st (5-6), 6th (1-6)**

**Paper : I and II Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Characteristic Roots and Vectors |
| Week 2 | 23/01/2023-28/01/2023 | Vector Spaces |
| Week 3 | 30/01/2023- 04/02/2023 | Linear Transformation |
| Week 4 | 06/02/2023-11/02/2023 | Linear Transformation |
| Week 5 | 13/02/2023-17/02/2023 | Power Series |
| Week 6 | 20/02/2023-25/02/2023 | Power Series |
| Week 7 | 27/02/2023-04/03/2023 | Double Triple Integral |
| Week 8 | 06/03/2023-11/03/2023 | Double Triple Integral |
| Week 9 | 13/03/2023-18/03/2023 | Sequences and Series of functions |
| Week 10 | 20/03/2023-25/03/2023 | Sequences and Series of functions |
| Week 11 | 27/03/2023-01/04/2023 | Linear Transformation |
| Week 12 | 03/04/2023-08/04/2023 | Linear Transformation and Matrices |
| Week 13 | 10/04/2023-15/04/2023 | Linear Transformation and Matrices |
| Week 14 | 17/04/2023-21/04/2023 | Fourier Sieries |
| Week 15 | 24/04/2023-29/04/2023 | Revision |

**Class: B.Sc./B.A II**   **Name of the Teacher: Dr. Urmila Rani**

**Subject: Mathematics Period : 2nd (1-6), 4th (5-6)**

**Paper : I and II Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Laplace Transformation |
| Week 2 | 23/01/2023-28/01/2023 | Laplace Transformation |
| Week 3 | 30/01/2023- 04/02/2023 | Inverse Laplace Transformation |
| Week 4 | 06/02/2023-11/02/2023 | Inverse Laplace Transformation |
| Week 5 | 13/02/2023-17/02/2023 | Application of Laplace Transformation |
| Week 6 | 20/02/2023-25/02/2023 | Sequences |
| Week 7 | 27/02/2023-04/03/2023 | Sequences |
| Week 8 | 06/03/2023-11/03/2023 | Series |
| Week 9 | 13/03/2023-18/03/2023 | Series |
| Week 10 | 20/03/2023-25/03/2023 | Power Series Solution of differential equations |
| Week 11 | 27/03/2023-01/04/2023 | Bessels and Legendre Equation |
| Week 12 | 03/04/2023-08/04/2023 | Partial Differential Equations |
| Week 13 | 10/04/2023-15/04/2023 | Sequential and Uniform continuity |
| Week 14 | 17/04/2023-21/04/2023 | Rearrangement of terms |
| Week 15 | 24/04/2023-29/04/2023 | Revision |

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**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

**Class: B.Sc./Ba. 6thsem Name of the Teacher:Satishkumar**

**Subject: Mathematics Period :1**

**Paper :3 Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Numerical integration |
| Week 2 | 23/01/2023-28/01/2023 | Numerical solution of O.D.E. |
| Week 3 | 30/01/2023- 04/02/2023 | System of linear equations. |
| Week 4 | 06/02/2023-11/02/2023 | System of linear equations. |
| Week 5 | 13/02/2023-17/02/2023 | Interpolation |
| Week 6 | 20/02/2023-25/02/2023 | Interpolation |
| Week 7 | 27/02/2023-04/03/2023 | Interpolation |
| Week 8 | 06/03/2023-11/03/2023 | Solutions of algebraic and transcendental equations |
| Week 9 | 13/03/2023-18/03/2023 | Eigen values and eigen vectors |
| Week 10 | 20/03/2023-25/03/2023 | Forward and backward difference operator |
| Week 11 | 27/03/2023-01/04/2023 | Numerical differentiation. |
| Week 12 | 03/04/2023-08/04/2023 | Numerical differentiation. |
| Week 13 | 10/04/2023-15/04/2023 | Interpolation continued |
| Week 14 | 17/04/2023-21/04/2023 | Revision of previous papers. |
| Week 15 | 24/04/2023-29/04/2023 | Revision of previous papers. |

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

**Class: B.Sc./BA 4thsem**   **Name of the Teacher: Satish Kumar**

**Subject: Mathematics Period : 4th**

**Paper : III Room No : 221**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Simple harmonic equation |
| Week 2 | 23/01/2023-28/01/2023 | Motion with constant acceleration |
| Week 3 | 30/01/2023- 04/02/2023 | Motion with variable acceleration |
| Week 4 | 06/02/2023-11/02/2023 | Work,power and energy |
| Week 5 | 13/02/2023-17/02/2023 | Relative motion |
| Week 6 | 20/02/2023-25/02/2023 | Momentum and impulse |
| Week 7 | 27/02/2023-04/03/2023 | Curvilinear motion in plane |
| Week 8 | 06/03/2023-11/03/2023 | Curvilinear motion in a plane(contd.) |
| Week 9 | 13/03/2023-18/03/2023 | Curvilinear motion in a plane(contd.) |
| Week 10 | 20/03/2023-25/03/2023 | Curvilinear motion in a plane(contd.) |
| Week 11 | 27/03/2023-01/04/2023 | Curvilinear motion of a particle in a plane |
| Week 12 | 03/04/2023-08/04/2023 | Curvilinear motion of a particle in a plane(contd.) |
| Week 13 | 10/04/2023-15/04/2023 | Curvilinear motion of a particle in a plane(contd) |
| Week 14 | 17/04/2023-21/04/2023 | Curvilinear motion of a particle in a plane(contd) |
| Week 15 | 24/04/2023-29/04/2023 | Curvilinear motion of a particle in a plane(contd) |

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**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

**Class: B.Sc./BA. 2ndsem Name of the Teacher:Satishkumar**

**Subject: Mathematics Period :3rd and 5th**

**Paper :1,2,3. Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Concavity and convexity |
| Week 2 | 23/01/2023-28/01/2023 | Asymptots |
| Week 3 | 30/01/2023- 04/02/2023 | Curvature |
| Week 4 | 06/02/2023-11/02/2023 | Relation between roots and coefficients |
| Week 5 | 13/02/2023-17/02/2023 | Transformation of equations |
| Week 6 | 20/02/2023-25/02/2023 | Solution of cubic and biquadratic equation |
| Week 7 | 27/02/2023-04/03/2023 | Polynomials |
| Week 8 | 06/03/2023-11/03/2023 | Reduction formula |
| Week 9 | 13/03/2023-18/03/2023 | Sphere |
| Week 10 | 20/03/2023-25/03/2023 | Cone |
| Week 11 | 27/03/2023-01/04/2023 | Cylinder |
| Week 12 | 03/04/2023-08/04/2023 | Multiple points |
| Week 13 | 10/04/2023-15/04/2023 | Curve tracing |
| Week 14 | 17/04/2023-21/04/2023 | Length of curve, area,volume |
| Week 15 | 24/04/2023-29/04/2023 | Numerical solutions |