**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes )**

**Session (2022-2023)**

**Class: B.Sc /BA 3rd Semester**   **Name of the Teacher: Dr Urmila Rani**

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

**Paper : I Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Exact Differential Equations |
| Week 2 | 16-08-2022 to 20-08-2022 | Exact Differential Equations |
| Week 3 | 22-08-2022 to 27-08-2022 | First Order and Higher Degree Equations |
| Week 4 | 29-08-2022 to 03-09-2022 | Orthogonal Trajectories |
| Week 5 | 05-09-2022 to 10-09-2022 | Orthogonal Trajectories |
| Week 6 | 12-09-2022 to 17-09-2022 | Linear Equations with constant coefficients |
| Week 7 | 19-09-2022 to 24-09-2022 | Linear Equations with constant coefficients |
| Week 8 | 26-09-2022 to 01-10-2022 | Linear Equations with variables coefficients |
| Week 9 | 03-10-2022 to 08-10-2022 | Linear Equations with variables coefficients |
| Week 10 | 10-10-2022 to 15-10-2022 | Linear Equations with variables coefficients |
| Week 11 | 17-10-2022 to 22-10-2022 | Linear Equations of second order |
| Week 12 | 25-10-2022 to 27-10-2022 | Linear Equations of second order |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Simultaneous Differential equations |
| Week 14 | 07-11-2022 to 12-11-2022 | Simultaneous Differential equations |
| Week 15 | 14-11-2022 to 19-11-2022 | Simultaneous Differential equations |
| Week 16 | 21-11-2022 to 25-11-2022 | Simultaneous Differential equations |

**Class: B.Sc /BA 3rd Semester**   **Name of the Teacher: Dr Urmila Rani**

**Subject: Mathematics Period : 4th (3,4,5,6)**

**Paper : Advanced Calculus -1 Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Limit and continuity of functions of two variables |
| Week 2 | 16-08-2022 to 20-08-2022 | Limit and continuity of functions of two variables |
| Week 3 | 22-08-2022 to 27-08-2022 | Limit and continuity of functions of two variables |
| Week 4 | 29-08-2022 to 03-09-2022 | Partial Derivatives |
| Week 5 | 05-09-2022 to 10-09-2022 | Partial Derivatives |
| Week 6 | 12-09-2022 to 17-09-2022 | Jacobians |
| Week 7 | 19-09-2022 to 24-09-2022 | Jacobians |
| Week 8 | 26-09-2022 to 01-10-2022 | Maxima and Minima |
| Week 9 | 03-10-2022 to 08-10-2022 | Maxima and Minima |
| Week 10 | 10-10-2022 to 15-10-2022 | Envelopes and Evolutes |
| Week 11 | 17-10-2022 to 22-10-2022 | Vector Differentiation |
| Week 12 | 25-10-2022 to 27-10-2022 | Vector Differentiation |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Vector Differentiation |
| Week 14 | 07-11-2022 to 12-11-2022 | Gradient, Divergence and Curl |
| Week 15 | 14-11-2022 to 19-11-2022 | Gradient, Divergence and Curl |
| Week 16 | 21-11-2022 to 25-11-2022 | Gradient, Divergence and Curl |

**Class: B.Sc /BA 5th Semester**   **Name of the Teacher: Dr Urmila Rani**

**Subject: Mathematics Period : 1st**

**Paper : Analysis -I Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Beta and gamma Function |
| Week 2 | 16-08-2022 to 20-08-2022 | Beta and gamma Function |
| Week 3 | 22-08-2022 to 27-08-2022 | Beta and gamma Function |
| Week 4 | 29-08-2022 to 03-09-2022 | Beta and gamma Function |
| Week 5 | 05-09-2022 to 10-09-2022 | Riemann integration |
| Week 6 | 12-09-2022 to 17-09-2022 | Riemann integration |
| Week 7 | 19-09-2022 to 24-09-2022 | Riemann integration |
| Week 8 | 26-09-2022 to 01-10-2022 | Riemann integration |
| Week 9 | 03-10-2022 to 08-10-2022 | Riemann integration |
| Week 10 | 10-10-2022 to 15-10-2022 | Improper integrals |
| Week 11 | 17-10-2022 to 22-10-2022 | Improper integrals |
| Week 12 | 25-10-2022 to 27-10-2022 | Improper integrals |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Improper integrals |
| Week 14 | 07-11-2022 to 12-11-2022 | Integrals as a Function of a Parameter |
| Week 15 | 14-11-2022 to 19-11-2022 | Integrals as a Function of a Parameter |
| Week 16 | 21-11-2022 to 25-11-2022 | Countable and uncountable sets |

**Class: B.Sc /BA 5th Semester**   **Name of the Teacher: Dr Urmila Rani**

**Subject: Mathematics Period : 6th**

**Paper : Modern Algebra Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Groups |
| Week 2 | 16-08-2022 to 20-08-2022 | Groups |
| Week 3 | 22-08-2022 to 27-08-2022 | Groups |
| Week 4 | 29-08-2022 to 03-09-2022 | Groups |
| Week 5 | 05-09-2022 to 10-09-2022 | Subgroups |
| Week 6 | 12-09-2022 to 17-09-2022 | Subgroups |
| Week 7 | 19-09-2022 to 24-09-2022 | Subgroups |
| Week 8 | 26-09-2022 to 01-10-2022 | Subgroups |
| Week 9 | 03-10-2022 to 08-10-2022 | Homomorphism of groups |
| Week 10 | 10-10-2022 to 15-10-2022 | Homomorphism of groups |
| Week 11 | 17-10-2022 to 22-10-2022 | Rings, subrings and Ideals |
| Week 12 | 25-10-2022 to 27-10-2022 | Rings, subrings and Ideals |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Homomorphism of rings |
| Week 14 | 07-11-2022 to 12-11-2022 | Permutation Groups and conjugate Elements |
| Week 15 | 14-11-2022 to 19-11-2022 | Polynomial Rings |
| Week 16 | 21-11-2022 to 25-11-2022 | Polynomial Rings |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Undergraduate Classes - First Year)**

**Session (2022-2023)**

**Class: B.Sc.1stsem**   **Name of the Teacher: Satish Kumar**

**Subject: MATHS Period :3,5**

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

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16-08-2022 to 20-08-2022 | Rank of matrix |
| Week 2 | 22-08-2022 to 27-08-2022 | Linear equation |
| Week 3 | 29-08-2022 to 03-09-2022 | Eigen values and eigen vectors |
| Week 4 | 05-09-2022 to 10-09-2022 | Indeterminate forms |
| Week 5 | 12-09-2022 to 17-09-2022 | Indeterminate forms |
| Week 6 | 19-09-2022 to 24-09-2022 | Successive differentiation |
| Week 7 | 26-09-2022 to 01-10-2022 | Mean value theorems |
| Week 8 | 03-10-2022 to 08-10-2022 | Hyperbolic functions |
| Week 9 | 10-10-2022 to 15-10-2022 | Limit and continuity |
| Week 10 | 17-10-2022 to 22-10-2022 | Real numbers |
| Week 11 | 25-10-2022 to 27-10-2022 | De moivresthm |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Circle |
| Week 14 | 07-11-2022 to 12-11-2022 | Parabola |
| Week 15 | 14-11-2022 to 19-11-2022 | Hyperbola |
| Week 16 | 21-11-2022 to 26-11-2022 | Ellipse |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Undergraduate Classes - First Year)**

**Session (2022-2023)**

**Class: B.Sc.1(Bio Tech)**   **Name of the Teacher:Satish Kumar**

**Subject: MATHS Period :3,5**

**Paper 1 Room No :129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16-08-2022 to 20-08-2022 | Derivatives |
| Week 2 | 22-08-2022 to 27-08-2022 | Derivatives |
| Week 3 | 29-08-2022 to 03-09-2022 | Limit |
| Week 4 | 05-09-2022 to 10-09-2022 | Application of dervatives |
| Week 5 | 12-09-2022 to 17-09-2022 | Integration |
| Week 6 | 19-09-2022 to 24-09-2022 | Integration |
| Week 7 | 26-09-2022 to 01-10-2022 | Differential equation |
| Week 8 | 03-10-2022 to 08-10-2022 | Differential equation |
| Week 9 | 10-10-2022 to 15-10-2022 | L.P.P. |
| Week 10 | 17-10-2022 to 22-10-2022 | L.P.P. |
| Week 11 | 25-10-2022 to 27-10-2022 | L.P.P. |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Complex numbers |
| Week 14 | 07-11-2022 to 12-11-2022 | Statistics |
| Week 15 | 14-11-2022 to 19-11-2022 | Statistics |
| Week 16 | 21-11-2022 to 26-11-2022 | Statistics |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class:B.Sc.5thsem**   **Name of theTeacher: Satish Kumar**

**Subject: Maths Period :1**

**Paper : Probability Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Elements of probability |
| Week 2 | 16-08-2022 to 20-08-2022 | Random variables |
| Week 3 | 22-08-2022 to 27-08-2022 | Random variables |
| Week 4 | 29-08-2022 to 03-09-2022 | Random variables |
| Week 5 | 05-09-2022 to 10-09-2022 | Discrete probability distribution |
| Week 6 | 12-09-2022 to 17-09-2022 | Discrete probability distribution |
| Week 7 | 19-09-2022 to 24-09-2022 | Discrete probability distribution |
| Week 8 | 26-09-2022 to 01-10-2022 | Continuous probability distribution |
| Week 9 | 03-10-2022 to 08-10-2022 | Continuous probability distribution |
| Week 10 | 10-10-2022 to 15-10-2022 | Continuous probability distribution |
| Week 11 | 17-10-2022 to 22-10-2022 | Bivariate random variables |
| Week 12 | 25-10-2022 to 27-10-2022 | Bivariate random variables |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Bivariate random variables |
| Week 14 | 07-11-2022 to 12-11-2022 | Bivariate random variables |
| Week 15 | 14-11-2022 to 19-11-2022 | Bivariate random variables |
| Week 16 | 21-11-2022 to 25-11-2022 | Bivariate random variables |

**Class: B.Sc. 3rdSem**   **Name of theTeacher: Satish Kumar**

**Subject: Maths Period :4th**

**Paper : Statics Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Forces acting at a point |
| Week 2 | 16-08-2022 to 20-08-2022 | Forces acting at a point |
| Week 3 | 22-08-2022 to 27-08-2022 | Any number of forces acting at a point |
| Week 4 | 29-08-2022 to 03-09-2022 | Parallel forces |
| Week 5 | 05-09-2022 to 10-09-2022 | Moments |
| Week 6 | 12-09-2022 to 17-09-2022 | Moments |
| Week 7 | 19-09-2022 to 24-09-2022 | Couples |
| Week 8 | 26-09-2022 0to 01-10-2022 | Couples |
| Week 9 | 03-10-2022 to 08-10-2022 | Couples |
| Week 10 | 10-10-2022 to 15-10-2022 | Equilibrium of three coplanar forces |
| Week 11 | 17-10-2022 to 22-10-2022 | Friction |
| Week 12 | 25-10-2022 to 27-10-2022 | Friction |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Centre of gravity |
| Week 14 | 07-11-2022 to 12-11-2022 | Centre of gravity |
| Week 15 | 14-11-2022 to 19-11-2022 | Centre of gravity |
| Week 16 | 21-11-2022 to 25-11-2022 | Centre of gravity |