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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

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

**Subject: Mathematics Period : 1st (1-6) 5th (1-2)**

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

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 21-07-2023 to 22-07-2023 | Groups |
| Week 2 | 24-07-2023 to 28-07-2023 | Groups |
| Week 3 | 31-07-2023 to 05-08-2023 | Subgroups |
| Week 4 | 07-08-2023 to 12-08-2023 | Subgroups |
| Week 5 | 14-08-2023 to 19-08-2023 | Subgroups |
| Week 6 | 21-08-2023 to 26-08-2023 | Rings Fields |
| Week 7 | 28-08-2023 to 02-09-2023 | Sub Rings , Ideals |
| Week 8 | 04-09-2023 to 09-09-2023 | Riemann Integration |
| Week 9 | 11-09-2023 to 16-09-2023 | Riemann Integration |
| Week 10 | 18-09-2023 to 23-09-2023 | Riemann Integration |
| Week 11 | 25-09-2023 to 30-09-2023 | Improper Integrals |
| Week 12 | 03-10-2023 to 07-10-2023 | Improper Integrals |
| Week 13 | 09-10-2023 to 14-10-2023 | Beta Gamma Functions |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| Week 15 | 25-10-2023 to 27-10-2023 | Integrals as Function of a Parameter |
| Week 16 | 31-10-2023 to 04-11-2023 | Homomorphism and Isomorphism of groups and Rings |
| Week 17 | 06-11-2023 to 11-11-2023 | Permutation Groups and Conjugate elements |
| Week 18 | 14-11-2023 to 18-11-2023 | Polynomial Rings , Countable and Uncountable sets |

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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

**Class: B.Sc. /BA 2nd Year**   **Name of the Teacher: Dr Urmila Rani**

**Subject: Mathematics Period : 3rd (1-6) , 6th (3-4)**

**Paper : I and II Room No : 29 (3rd period), 126 (6th period)**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 21-07-2023 to 22-07-2023 | Exact Differential Equations |
| Week 2 | 24-07-2023 to 28-07-2023 | Exact Differential Equations |
| Week 3 | 31-07-2023 to 05-08-2023 | Linear Equations with constant coefficients |
| Week 4 | 07-08-2023 to 12-08-2023 | Linear Equations with constant coefficients |
| Week 5 | 14-08-2023 to 19-08-2023 | Linear Equations with variable coefficients |
| Week 6 | 21-08-2023 to 26-08-2023 | Linear Equations with variable coefficients |
| Week 7 | 28-08-2023 to 02-09-2023 | Limit and Continuity of twa and three variable |
| Week 8 | 04-09-2023 to 09-09-2023 | Partial Derivatives |
| Week 9 | 11-09-2023 to 16-09-2023 | Partial Derivatives |
| Week 10 | 18-09-2023 to 23-09-2023 | Jacobian |
| Week 11 | 25-09-2023 to 30-09-2023 | Maxima and Minima |
| Week 12 | 03-10-2023 to 07-10-2023 | Envelopes and Evolutes |
| Week 13 | 09-10-2023 to 14-10-2023 | Vector Differentiation , Curl, Gradient and Divergence |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| Week 15 | 25-10-2023 to 27-10-2023 | Curl, Gradient and Divergence |
| Week 16 | 31-10-2023 to 04-11-2023 | First order and higher degree equations |
| Week 17 | 06-11-2023 to 11-11-2023 | Othogonal trajectories |
| Week 18 | 14-11-2023 to 18-11-2023 | Revision |

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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

**Class: Bio- Tech (H)**   **Name of the Teacher: Dr Urmila Rani**

**Subject: Mathematics Period : 5-6**

**Paper : Room No : 111**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 21-07-2023 to 22-07-2023 | Sets, Product of Sets, Relation |
| Week 2 | 24-07-2023 to 28-07-2023 | Sets, Product of Sets, Relation |
| Week 3 | 31-07-2023 to 05-08-2023 | Function, Graphical Presentation of function |
| Week 4 | 07-08-2023 to 12-08-2023 | Function, Graphical Presentation of function |
| Week 5 | 14-08-2023 to 19-08-2023 | Function, Graphical Presentation of function |
| Week 6 | 21-08-2023 to 26-08-2023 | Different kinds of numbers, surds and their properties |
| Week 7 | 28-08-2023 to 02-09-2023 | Different kinds of numbers, surds and their properties |
| Week 8 | 04-09-2023 to 09-09-2023 | Different kinds of numbers, surds and their properties |
| Week 9 | 11-09-2023 to 16-09-2023 | Complex Numbers |
| Week 10 | 18-09-2023 to 23-09-2023 | Complex Numbers |
| Week 11 | 25-09-2023 to 30-09-2023 | Practical – Sets , Venn Diagram, Union , Intersection, Difference of sets, Compliments of sets |
| Week 12 | 03-10-2023 to 07-10-2023 | Practical - Relations |
| Week 13 | 09-10-2023 to 14-10-2023 | Practical – Functions |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| Week 15 | 25-10-2023 to 27-10-2023 | Conjugate, Modulus, and Arg of complex Numbers |
| Week 16 | 31-10-2023 to 04-11-2023 | Sequences, Series |
| Week 17 | 06-11-2023 to 11-11-2023 | Limits of Function |
| Week 18 | 14-11-2023 to 18-11-2023 | Limits of Function |

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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

**Class: B.Sc./B.A. 1sem Name of the Teacher: Satish kumar**

**Subject: Maths Period :2&4**

**Paper : 1,2,3 Room No : 128**

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| **S. No** | **Dates** | **Topics to be covered** |
| **Week 1** | **21-07-2023 to 22-07-2023** | **Hyperbolic functions** |
| **Week 2** | **24-07-2023 to 28-07-2023** | **Rank of matrices** |
| **Week 3** | **31-07-2023 to 05-08-2023** | **System of linear equations** |
| **Week 4** | **07-08-2023 to 12-08-2023** | **Eigen values and eigen vectors** |
| **Week 5** | **14-08-2023 to 19-08-2023** | **Indeterminate forms** |
| **Week 6** | **21-08-2023 to 26-08-2023** | **Circles** |
| **Week 7** | **28-08-2023 to 02-09-2023** | **Circles** |
| **Week 8** | **04-09-2023 to 09-09-2023** | **Hyperbola** |
| **Week 9** | **11-09-2023 to 16-09-2023** | **Hyperbola** |
| **Week 10** | **18-09-2023 to 23-09-2023** | **Ellipse** |
| **Week 11** | **25-09-2023 to 30-09-2023** | **Ellipse** |
| **Week 12** | **03-10-2023 to 07-10-2023** | **Straight line** |
| **Week 13** | **09-10-2023 to 14-10-2023** | **Real numbers** |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| **Week 15** | **25-10-2023 to 27-10-2023** | **Mean value applications** |
| **Week 16** | **31-10-2023 to 04-11-2023** | **Successive differentiation** |
| **Week 17** | **06-11-2023 to 11-11-2023** | **De moivres thm** |
| **Week 18** | **14-11-2023 to 18-11-2023** | **De moivres applications** |

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

**Teaching Plan Odd Semester Session (2023-2024)**

**Class: B.SC.(BIO TECH HONS) Name of the Teacher: Satish Kumar**

**Subject: MATHS (Sem I) Period :1st (3,4)**

**Paper :1 Room No : 111**

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| **S. No** | **Dates** | **Topics to be covered** |
| **Week 1** | **21-07-2023 to 22-07-2023** | **Derivatives** |
| **Week 2** | **24-07-2023 to 28-07-2023** | **Derivatives** |
| **Week 3** | **31-07-2023 to 05-08-2023** | **Derivatives** |
| **Week 4** | **07-08-2023 to 12-08-2023** | **Applications of derivatives** |
| **Week 5** | **14-08-2023 to 19-08-2023** | **Increasing and decreasing functions** |
| **Week 6** | **21-08-2023 to 26-08-2023** | **Rolle’s thm** |
| **Week 7** | **28-08-2023 to 02-09-2023** | **L MV THM** |
| **Week 8** | **04-09-2023 to 09-09-2023** | **Integration** |
| **Week 9** | **11-09-2023 to 16-09-2023** | **Integration** |
| **Week 10** | **18-09-2023 to 23-09-2023** | **Integration** |
| **Week 11** | **25-09-2023 to 30-09-2023** | **Integration** |
| **Week 12** | **03-10-2023 to 07-10-2023** | **Differential equation** |
| **Week 13** | **09-10-2023 to 14-10-2023** | **Statistics** |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| **Week 15** | **25-10-2023 to 27-10-2023** | **Statistics** |
| **Week 16** | **31-10-2023 to 04-11-2023** | **Statistics** |
| **Week 17** | **06-11-2023 to 11-11-2023** | **Statistics** |
| **Week 18** | **14-11-2023 to 18-11-2023** | **Statistics** |

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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

**Class: B.Sc.5th sem Name of the Teacher:Satish kumar**

**Subject: MATHS Period :5**

**Paper :3 Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| **Week 1** | **21-07-2023 to 22-07-2023** | **Elements of probability theory** |
| **Week 2** | **24-07-2023 to 28-07-2023** | **Elements of probability theory** |
| **Week 3** | **31-07-2023 to 05-08-2023** | **Random variables** |
| **Week 4** | **07-08-2023 to 12-08-2023** | **Random variables** |
| **Week 5** | **14-08-2023 to 19-08-2023** | **Random variables** |
| **Week 6** | **21-08-2023 to 26-08-2023** | **Discrete random variables** |
| **Week 7** | **28-08-2023 to 02-09-2023** | **Discrete random variables** |
| **Week 8** | **04-09-2023 to 09-09-2023** | **Discrete random variables** |
| **Week 9** | **11-09-2023 to 16-09-2023** | **Continuous random variables** |
| **Week 10** | **18-09-2023 to 23-09-2023** | **Continuous random variables** |
| **Week 11** | **25-09-2023 to 30-09-2023** | **Continuous random variables** |
| **Week 12** | **03-10-2023 to 07-10-2023** | **Bivariate random variables** |
| **Week 13** | **09-10-2023 to 14-10-2023** | **Bivariate random variables** |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| **Week 15** | **25-10-2023 to 27-10-2023** | **Bivariate random variables** |
| **Week 16** | **31-10-2023 to 04-11-2023** | **Bivariate random variables** |
| **Week 17** | **06-11-2023 to 11-11-2023** | **Bivariate random variables** |
| **Week 18** | **14-11-2023 to 18-11-2023** | **Bivariate random variables** |

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

**Teaching Plan Odd Semester**

**Session (2023-2024)**

**Class: B.Sc. 3rd sem Name of the Teacher:Satish kumar**

**Subject: Maths Period :4th**

**Paper :3 Room No : 126**

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| **S. No** | **Dates** | **Topics to be covered** |
| **Week 1** | **21-07-2023 to 22-07-2023** | **Forces acting at a point** |
| **Week 2** | **24-07-2023 to 28-07-2023** | **Forces acting at a point** |
| **Week 3** | **31-07-2023 to 05-08-2023** | **Any number of forces** |
| **Week 4** | **07-08-2023 to 12-08-2023** | **Any number of forces** |
| **Week 5** | **14-08-2023 to 19-08-2023** | **Parallel forces** |
| **Week 6** | **21-08-2023 to 26-08-2023** | **Parallel forces** |
| **Week 7** | **28-08-2023 to 02-09-2023** | **Parallel forces** |
| **Week 8** | **04-09-2023 to 09-09-2023** | **Moments** |
| **Week 9** | **11-09-2023 to 16-09-2023** | **Moments** |
| **Week 10** | **18-09-2023 to 23-09-2023** | **Couples** |
| **Week 11** | **25-09-2023 to 30-09-2023** | **Couples** |
| **Week 12** | **03-10-2023 to 07-10-2023** | **Couples** |
| **Week 13** | **09-10-2023 to 14-10-2023** | **Coplanar forces** |
| **Mid Semester Exam (16th October 2023 – 21st October, 2023)** | | |
| **Week 15** | **25-10-2023 to 27-10-2023** | **Coplanar forces** |
| **Week 16** | **31-10-2023 to 04-11-2023** | **Friction** |
| **Week 17** | **06-11-2023 to 11-11-2023** | **Friction** |
| **Week 18** | **14-11-2023 to 18-11-2023** | **Centre of gravity** |