**LESSON PLAN FOR THE SESSION 2023-24**

**Name of Faculty**: Dr Ashish **Paper:** Numerical Analysis

**Class and Section:** B.Sc. 5th Sem (Sect A & B) **Subject:** Mathematics

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| **Week** | **Date** | **Topic** |
| 1 | 17-08-2023 | Preliminaries |
| 18-08-2023 | Finite Difference Operators |
| 19-08-2023 | Finite Difference Operators |
| 2 | 21-08-2023 | Forward Difference  |
| 22-08-2023 | Problems |
| 23-08-2023 | Test |
| 24-08-2023 | Backward Difference |
| 25-08-2023 | Backward Difference |
| 26-08-2023 | Problems |
| 3 | 28-08-2023 | Test |
| 29-08-2023 | Effect of an Error in a Tabular Value |
| 30-08-2023 | **Raksha Bandhan** |
| 31-08-2023 | Problems |
| 01-09-2023 | Problems |
| 02-09-2023 | Test |
| 4 | 04-09-2023 | Interpolation with Equal Intervals  |
| 05-09-2023 | Newton Forward Formula |
| 06-09-2023 | **Janmashtami** |
| 07-09-2023 | Problems |
| 08-09-2023 | Test  |
| 09-09-2023 | Newton Backward Formula |
| 5 | 11-09-2023 | Newton Backward Formula |
| 12-09-2023 | Problems |
| 13-09-2023 | Test |
| 14-09-2023 | Subdivision of Intervals  |
| 15-09-2023 | Problems  |
| 16-09-2023 | Problems |
| 6 | 18-09-2023 | Test |
| 19-09-2023 | Interpolation with Unequal Intervals  |
| 20-09-2023 | Interpolation with Unequal Intervals  |
| 21-09-2023 | Newtons Divided Difference Formula |
| 22-09-2023 | Newtons Divided Difference Formula |
| 23-09-2023 | **Shaheedi Diwas** |
| 7 | 25-09-2023 | Problems |
| 26-09-2023 | Test  |
| 27-09-2023 | Lagrange’s Formula |
| 28-09-2023 | Lagrange’s Formula |
| 29-09-2023 | Problems |
| 30-09-2023 | Problems |
| 8 | 02-10-2023 | **Mahatma Gandhi Jayanti** |
| 03-10-2023 | Hermite’s Formula  |
| 04-10-2023 | Hermite’s Formula |
| 05-10-2023 | Problems  |
| 06-10-2023 | Test |
| 07-10-2023 | Central Difference Interpolation Formula  |
| 9 | 09-10-2023 | Central Difference Interpolation Formula  |
| 10-10-2023 | Gauss Forward Interpolation Formula |
| 11-10-2023 | Gauss Forward Interpolation Formula |
| 12-10-2023 | Gauss Forward Interpolation Formula |
| 13-10-2023 | Problems  |
| 14-10-2023 | Problems |
| 10 | 16-10-2023 | Test |
| 17-10-2023 | Gauss Backward Interpolation Formula |
| 18-10-2023 | Gauss Backward Interpolation Formula |
| 19-10-2023 | Problems  |
| 20-10-2023 | Problems |
| 21-10-2023 | Test |
| 11 | 23-10-2023 | Sterling Formula  |
| 24-10-2023 | **Dusshera** |
| 25-10-2023 | Problems  |
| 26-10-2023 | Problems |
| 27-10-2023 | Bessel’s Formula |
| 28-10-2023 | **Maharshi Valmiki Jayanti** |
| 12 | 30-10-2023 | Bessel’s Formula |
| 31-10-2023 | Problems  |
| 01-11-2023 | **Haryana Day** |
| 02-11-2023 | Test |
| 03-11-2023 | Probability Distribution  |
| 04-11-2023 | Probability Distribution  |
| 13 | 06-11-2023 | Problems  |
| 07-11-2023 | Problems |
| 08-11-2023 | Test |
| 09-11-2023 | Mean and Variance of random Variables |
| 10-11-2023 | **Diwali Vacations** |
| 11-11-2023 | **Diwali Vacations** |
| 14 | 13-11-2023 | **Diwali Vacations** |
| 14-11-2023 | **Diwali Vacations** |
| 15-11-2023 | **Diwali Vacations** |
| 16-11-2023 | **Diwali Vacations** |
| 17-11-2023 | Recurrence Formula |
| 18-11-2023 | Poisson Distribution  |
| 15 | 20-11-2023 | Poisson Distribution  |
| 21-11-2023 | Normal Distribution  |
| 22-11-2023 | Problems |
| 23-11-2023 | Test  |
| 24-11-2023 | Numerical Differentiation  |
| 25-11-2023 | Newton Forward Formula  |
| 16 | 27-11-2023 | **Guru Nanak Dev Jayanti** |
| 28-11-2023 | Bessel’s Formula |
| 29-11-2023 | Problems |
| 30-11-2023 | Test |

Signature of Faculty