**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan (Even Semester) Session (2019-2020)**

**Class:** B.A II  **Name of the Teacher:Ms. Preet Kamal, Dr. Sujata**

**Subject: Economics Period:2, 4**

**Paper: Quantitative Method Room No: 107, 203**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 09-01-2020 to 11-01-2020 | *Elementary Idea of Sets and Functions* |
| Week 2 | 13-01-2020 to 18-01-2020 | Simple and Partial Derivatives, |
| Week 3 | 20-01-2020 to 25-01-2020 | Differentiation of Simple functions –  Polynomial (x) and Exponential functions. |
| Week 4 | 27-01-2020 to 01-02-2020 | *Matrices :* Definition and Types, Operations (Sum, Difference, Product and Transpose), Adjoint and Inverse a matrix . |
| Week 5 | 03-02-2020 to 08-02-2020 | Solution of Equations (upto 3) by Matrix Methods and Crammer’s rule. |
| Week 6 | 10-02-2020 to 15-02-2020 | Maxima and Minima of functions of one variable only. |
| Week 7 | 17-02-2020 to 22-02-2020 | Applications maxima minima in Micro and Macro Economics. |
| Week 8 | 24-02-2020 to 29-02-2020 | *Measures of Central Tendency :* Mean, Median, |
| Week 9 | 02-03-2020 to 05-03-2020 | Partition Values, Mode, |
| Mid Semester Exams (06-03-2020 to 13-03-2020) | | |  | *Time Series Analysis :* Components of Time Series, Determination of Trend, Least Square and Moving Average Method. |
| Week 11 | 14-03-2020, 16-03-2020 to 21-03-2020 | Measures of Dispersion |
| Week 12 | 24-03-2020 to 28-03-2020 | Skewness. |
| Week 13 | 30-03-2020 to 04-04-2020 | *Correlation Analysis*—Karl Pearson’s (except grouped data) and Spearman’s formula, Analysis. |
| Week 14 | 07-04-2020 to 11-04-2020 | *Index Numbers :* Concepts, Problems and Importance, Simple Index Number |
| Week 15 | 15-04-2020 to 18-04-2020 | Lespeyre’s and Fisher’s Index Numbers only (among weighted index numbers), Reversibility Tests. |
| Week 16 | 20-04-2020 to 24-04-2020 | *Interpolation* – Binomial, Expansion |
| Week 17 | 27-04-2020 to 02-05-2020 | Newton’s (Advancing Difference Method) and Lagrange’s Method. |
| Week 18 | 04-05-2020 | Revision |