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

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: BA II Name of the Teacher:Dr. Sujata**

**Subject: Quantitative Method Period :1 and 4**

**Paper : Room No : 108**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | *Elementary Idea of Sets and Functions* |
| Week 2 | 21/01/2019 –  25/01/2019 | *Matrices :* Definition and Types, Operations (Sum, Difference, Product and Transpose), Adjoint and Inverse a matrix . |
| Week 3 | 28/01/2019 –  2/02/2019 | Solution of Equations (upto 3) by Matrix Methods and Crammer’s rule. |
| Week 4 | 4/02/2019 –  9/02/2019 | *Measures of Central Tendency :* Mean, Median, |
| Week 5 | 11/02/2019 –  16/02/2019 | Partition Values, Mode, |
| Week 6 | 18/02/2019 –  23/02/2019 | Measures of Dispersion, Skewness. |
| Week 7 | 25/02/2019 –  02/03/2019 | *Correlation Analysis*—Karl Pearson’s (except grouped data) and Spearman’s formula,  Analysis. |
| Mid Semester Exam | | |  | Simple Regression |
| Week 8 | 11/03/2019 –  16/03/2019 | *Interpolation* – Binomial, Expansion, Newton’s (Advancing Difference Method) and Lagrange’s Method. |
| Week 9 | 18 /03/2019 –  22/03/2019 | *Index Numbers :* Concepts, Problems and Importance, Simple Index Number, Lespeyre’s and Fisher’s Index Numbers only (among weighted index numbers), Reversibility Tests. |
| Week 10 | 25/03/2019 –  30/03/2019 | *Time Series Analysis :* Components of Time Series, Determination of Trend, Least Square and Moving Average Method. |
| Week 11 | 1/04/2019 –  6/04/2019 | Simple and Partial Derivatives, |
| Week 12 | 8/04/2019 –  12/04/2019 | Differentiation of Simple functions –  Polynomial (x) and Exponential functions. |
| Week 13 | 15/04/2019 –  20/04/2019 | Maxima and Minima of functions of one variable only. |
| Week 14 | 22/04/2019 –  27/04/2019 | Applications maxima minima in Micro and Macro Economics. |
| Week 15 | 29 /04/2019 –  3/05/2019 | Revision |