

**DEPARTMENT OF COMMERCE  
SHYAM LAL COLLEGE  
UNIVERSITY OF DELHI**

**Subject- Business Mathematics Paper- Ch 4.2**

**B.com (H) Sem (IV)**

| <b>S.N.</b>    | <b>From</b>      | <b>To</b>        | <b>Topics</b>  |
|----------------|------------------|------------------|--|
| Week 1         | 2-Jan-17         | 7-Jan-17         | UNIT 1 - Algebra of matrices. Inverse of Matrices  |
| Week 2         | 9-Jan-17         | 14-Jan-17        | UNIT 1 - Solution of systems of linear equation using matrices                                       |
| Week 3         | 16-Jan-17        | 21-Jan-17        | UNIT 1 - Leontief Input-Output Analysis  |
| Week 4         | 23-Jan-17        | 28-Jan-17        | UNIT 2 - Mathematical Functions. Concept of Continuity of a function                                 |
| Week 5         | 30-Jan-17        | 4-Feb-17         | UNIT 2 - Concept and rules of Differentiation. Maxima and Minima                                     |
| Week 6         | 6-Feb-17         | 11-Feb-17        | UNIT 3 - Partial Differentiation. Homogeneity of functions and Euler's Theorem. Total differentials. |
| Week 7         | 13-Feb-17        | 18-Feb-17        | UNIT 3 - Maxima and Minima for two variables. Lagrangian Multiplier.                                 |
| Week 8         | 20-Feb-17        | 25-Feb-17        | UNIT 3 - Integration. Definite Integration.  |
| Week 9         | 27-Feb-17        | 4-Mar-17         | UNIT 4 - Interest. Compound Interest. Discounting of a sum   |
| Week 10        | 6-Mar-17         | 11-Mar-17        | UNIT 4 - Annuity.  |
|                | <b>13-Mar-17</b> | <b>18-Mar-17</b> | <b>MID SEMESTER BREAK</b>  |
| Week 11        | 20-Mar-17        | 25-Mar-17        | UNIT 4 - Valuation of Asset. Depreciation. Sinking Fund.   |
| Week 12        | 27-Mar-17        | 1-Apr-17         | UNIT 5 - LPP - Graphical   |
| Week 13        | 3-Apr-17         | 8-Apr-17         | UNIT 5 - LPP - Simplex   |
| Week 14        | 10-Apr-17        | 15-Apr-17        | UNIT 5 - LPP - Simplex   |
| Week 15        | 17-Apr-17        | 22-Apr-17        | UNIT 5 - LPP - Primal-Dual Solution  |
| <b>Week 16</b> | <b>24-Apr-17</b> | <b>27-Apr-17</b> | <b>REVISION CLASSES</b>  |