Name of the Teacher: Madhu Garg

Class: B.Sc.1St Year (1st Semester), Algebra (Paper – BM 111)

**Lesson Plan**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | **Ch.1(Matrices)**  **Ch.2(Rank of a Matrix)** | **Oral Presentations** |
|  | **01-31 Aug 2017** | **Ch.2(Rank of a matrix)**  **Ch.4(Applications of matrices to a system of linear equations)** | **Oral Presentations** |
|  | **01-30 Sept 2017** | **Ch.5(Orthogonal and unitary matrices)**  **Ch.7(Relation between the roots and coefficients of an equation)** | **Group Discussion** |
|  | **01-31 Oct 2017** | **Ch.10(Descarte’s rule of signs)**  **Ch.9( Solution of cubic and biquadratic equations)**  **Ch.8( Transformation of equations)** | **Group Discussion** |
|  | **01-13 Nov 2017** | **Ch.3(Characteristic equation of a matrix)**  **Ch.6( Bilinear and quadratic forms)** | **Group Discussion** |

**Topics of Assignments/ Class Tests to be given to the Students:**

|  |  |
| --- | --- |
| **Assignment 1** | **To solve section 1 of question paper of K.U. December 2014** |
| **Assignment 2** | **To solve section 2 & 3 of question paper of K.U. December 2015** |
| **Class Test** | **Ch.2(Rank of a matrix)** |