

**Lesson Plan**  
**MCM DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans-Odd Semester (Semester-I)**  
**Session – 2024-25**

**Department: Mathematics**

**Class: M.Sc-I Chemistry**  
**Subject: Mathematics for Chemist**

**Name of the Teacher: Dr Chitra**

| Month   | Date       |            | Topics to be covered  | Academic Activity to be Undertaken                     |
|---|------------|------------|---|--|
|   | From       | To         |   |  |
| July  | 22.07.2024 | 31.7.2024  | Multiple products of Vectors, Gradient, Divergence and Curl   | Syllabus, Examination pattern discussed                |
| <b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.08.2024</b> |            |            |   |  |
| August  | 01.08.2024 | 31.08.2024 | Green's , Gauss and Stokes theorems, Determinant , Matrices.  | Doubt Session.   |
| <b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 02.09.2024</b> |            |            |   |  |
| September   | 01.09.2024 | 30.09.2024 | Inverse of a Matrix, Linear equations, Eigenvalues and Eigenvectors, introduction of Vector space and Tensors, Limit and continuity, Differentiability, elementary differential calculus & important Results                                    | Doubt session, Assignments, revision of a few topics.  |
| <b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.10.2024</b> |            |            |   |  |
| October   | 01.10.2024 | 31.10.2024 | Partial Differentiations, Maxima and Minima, Curve Sketching, Integration, Reduction Formulae & Application to integrals, Differential equations of first order and First degree, Power series solutions of second order differential equations | Doubt session, Assignments, Power Point Presentations. |
| <b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.11.2024</b> |            |            |   |  |

|   |            |            |   |  |
|---|------------|------------|---|--|
| <b>plans on 01.11.2024</b>  |            |            |   |  |
| November  | 01.11.2024 | 18.11.2024 | Second order differential equations & their solutions, Permutations and Combinations, Probability, curve fitting. | Doubt session, Assignments, Power Point Presentations, Question papers discussed. Revision of a few topics |
| <b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 18.11.2024</b> |            |            |   |  |
| <b>End semester Examination 19.11.2024 to 26.12.2024</b>  |            |            |   |  |