

Lesson Plame B.A/BSc. IInd Year

Paper- Partial Differential Equation

Session- 2023-2024

July-

Week Ist - Partial Differential equation, Formation order and degree, Linear and non-Linear Partial differential equation.

August →

Week Ist — do — do — do —

Week IInd — Formation of equation by the elimination of arbitrary constant & function.

Week IIIrd — First order Linear Partial Differential equation of singular integral & singular solution

Week IVth. Solution of Linear Partial Differential equation by direct Integration, Solution of Lagrange Linear equation.

September

Week -Ist - Linear Partial differential equation of second and higher order.

Week IInd — do — do — do —

Week IIIrd solution of non homogeneous Linear Partial differential equation with constants coefficient

Week IVth - do — do — do —

B.A/BSc. IInd Year

see →

Week - Ist - Classification and canonical forms of second order Linear Partial Differential equation.

Week - IInd - Classification and canonical forms of second order Linear Partial Differential equation.

Week → IIIrd canonical form or normal form Reduction of Hyperbolic equation to its canonical form

Week - IVth - Reduction of Parabolic equation to the canonical form

November →

Week Ist Reduction of elliptic equation to the canonical form

Week IInd solution of Linear Hyperbolic Equation.

Week IIIrd - characteristic equation and characteristic curve

Week IVth Cauchy's Problems and its solution

* Revision and unit test