

Computational Methods in Physics Laboratory

Programme: M. Sc. (Physics)	Year: 1st	Semester: 1st
Course: Program Core	Credits: 1	Hours: 2 hours per week

List of Assignments:

Part A: Basics of Programming

1. Read and write data
2. Find mean, mode median
3. Find prime number and factorize a number
4. Sorting
5. Find value of series term by term specified by accuracy
6. Matrix operations
7. Plotting

Part B: Numerical Analysis

Problems related to

1. Root finding methods
2. System of linear equations
3. Interpolation
4. Differentiation & Integration
5. Ordinary Differential Equations