

**FBEF-610 (Computational methods in Physics).**

UNIT-I

Introduction to computer hardware and software , introduction to storage in computer memory, stored program concepts, storage media computer operating system, LINUX, Commands;

UNIT-II

Programming with C:

Programme solving on computers-algorithm and flow charts in PROGRAMMING IN "C"

77 data types,

UNIT-III

Exercises for acquaintance:

1. To find the largest or smallest of a given set of numbers
2. To generate and print first hundred prime numbers
3. Sum of an AP series, GP series, Sine series, Cosine series
4. Factorial of a number
5. Transpose of a square matrix
6. Matrix multiplication and addition
7. Evaluation of log and exponentials 8.Solution of quadratic equation
9. Division of two complex numbers
10. To find the sum of the digits of a number