Name of Assistant Professor:- Mr. Himanshu Taneja (Mathematics)

Class:- B.Sc. N.M. & C.S. and B.A. (4th Sem.)

Subject:- Prog. In C and Numerical Methods

Week	Topic
Jan. (week-1st)	Introduction to C- Language, Importance, History
Jan. (week 2nd)	Algorithms, Flow Charts
Jan.(week 3rd)	Data types and Instructions
Jan. (week 4th)	Operators: Unary, Arithmetic, Bitwise
Feb. (week-1st)	Operators: Relational, logical, assignment their precedence, Different type of instructions
Feb. (week-2nd)	Decision Control Structure: If, if else
Feb. (week-3rd)	Decision Control Structure: nested if, switch statement
Feb. (week-4th)	Loops, Functions, Arrays
March (week-1st)	Strings, Structure and Unions, Pointers
March (week-2nd)	Bisection Method, Regula Falsi method, Secant method, Newton Raphson Method
March (week-3rd)	HOLIDAYS
March (week 4th)	Newton iterative method for pth root, Order of convergence
April (week-1st)	Numerical Methods: Gauss Elimination, Gauss Jordan, LU, Gauss Seidel method, Cholesky decomp.
April (week-2nd)	Jacobi Method, Relaxation method, Crout's Method
April (week-3rd)	Revision
April (week-4th)	Revision

Name of Assistant Professor:- Mr. Himanshu Taneja (Mathematics)

Class:- M.Sc. Mathematics (P)

Subject:- Computer Programming in Fortran 90 & 95

Week	Topic
Jan. (week-1st)	Importance of Comp Language, Introduction to Fortran.
Jan. (week 2nd)	Program anatomy in Fortran, Numeric Constants
Jan.(week 3rd)	Variables, Arithmetic expression and statements
Jan. (week 4th)	Arithmetic expression and statements
Feb. (week-1st)	Input-output statements, Conditional Statements
Feb. (week-2nd)	Implementing Loops, logical expressions
Feb. (week-3rd)	Logical expression and control statements, Functions
Feb. (week-4th)	Function and subroutines, Arrays
March (week-1st)	Format specifications, Strings
March (week-2nd)	Strings of Characters, Array arguments
March (week-3rd)	HOLIDAYS
March (week 4th)	Derived types, processing files in Fortran
April (week-1st)	Pointer data type processing, Modules
April (week-2nd)	Modules, Misc. features of Fortran
April (week-3rd)	Additional features of Fortran
April (week-4th)	Revision

Name of Assistant Professor:- Mr. Himanshu Taneja (Mathematics)

Class:- M.Sc. Mathematics (P)

Subject:- Computer Programming in Fortran 90 & 95 (Practical)

Week	Topic
Jan. (week-1st)	Importance of Comp Language, Introduction to Fortran.
Jan. (week 2nd)	Program anatomy in Fortran, Numeric Constants
Jan.(week 3rd)	Variables, Arithmetic expression and statements
Jan. (week 4th)	Arithmetic expression and statements
Feb. (week-1st)	Input-output statements, Conditional Statements
Feb. (week-2nd)	Implementing Loops, logical expressions
Feb. (week-3rd)	Logical expression and control statements, Functions
Feb. (week-4th)	Function and subroutines, Arrays
March (week-1st)	Format specifications, Strings
March (week-2nd)	Strings of Characters, Array arguments
March (week-3rd)	HOLIDAYS
March (week 4th)	Derived types, processing files in Fortran
April (week-1st)	Pointer data type processing, Modules
April (week-2nd)	Modules, Misc. features of Fortran
April (week-3rd)	Additional features of Fortran
April (week-4th)	Revision