## N\_O\_T\_A\_T\_I\_O\_N\_S

k is a finite field of characteristic  $p \neq 2$ ; k(x)is the field of rational functions in one variable over the finite field k; k[x] is the ring of polynomials in k(x) = K $K_f$  is the completion of K at the polynomial f and K 1/x is the completion at 1/x. F and f are nondegenerate symmetric matrices of orders m and n.

 $\int [x], \neq [Y]$  are the quadratic forms  $\not{x}' \quad \forall \quad x, \quad Y' \neq Y$ also denoted by F and G in Chapter - I -e elements in k[x] are referred to as 'integral' and those in k[x] are 'rational' unless a specific mention is made of the elements in the rational number field  $\int . | \quad i \mid denotes$ the determinant of  $\int and || \quad i \mid i$  the value of the determinant of  $\int . | \quad i \mid f \mid i$  is the value of the determinant of  $\int . | \quad i \mid f \mid f \circ . | \quad i \mid f \mid i$  is also denoted by R in Chapter I.  $R_f$  is the ring of f - adic integers.

 $(R^{(g)}, g = 1, ..., 2^n)$  are the diagonal matrices with elements  $\pm |$  in the diagonals. [] is used for references in the bibliography.

| | is used for the valuation at 1/x.

Some more notations are introduced in Chapter III and these can be intorpreted as per the context.