2. Aim & Objectives
2a. AIM
To investigate the mutant frequency and polymorphism of CCR5 delta 32, CCR5 promoter 59029 G/A, CCL3L1 copy number, RANTES promoter 403 G/A and 28C/G, RANTES Intronic 1.1 T/C, DC-SIGN/R repeat region and APOBEC3G A186G HIV-1 resistant genes in HIV-1 infected, HIV-1 uninfected and HIV-1 exposed seronegative individuals.

2b. OBJECTIVES
1. To collect the blood samples from 315 HIV-1 uninfected healthy volunteers, 47 HIV-1 exposed seronegative and 196 HIV-1 infected individuals after screening them for HIV-1 through ELISA and Western Blot.
2. Genotyping of CCR5 delta 32, CCR5 promoter 59029-G/A, CCL3L1 gene copy number, RANTES -403G/A, RANTES -28C/G, RANTES In1.1 T/C, DC-SIGN, DC-SIGNR and APOBEC3G A186G in three different populations.
3. To correlate the distribution of CCR5 delta 32, CCR5 promoter 59029-G/A, CCL3L1 gene copy number, RANTES -403G/A, RANTES -28C/G, RANTES In1.1 T/C, DC-SIGN, DC-SIGNR and APOBEC3G H186R with the occurrence of the disease.