

Stat-326 Statistical Data Analysis VII

50 Marks: 02 Credits

Number of Class: 20-26

Group A (Epidemiology):20 Marks

Problems on cross sectional, cohort, case control, retrospective and prospective studies, calculation of incidence and prevalence rates, case fatality rate, risk ratio, rate ratio, risk difference, rate difference, mortality measures, standardized mortality ratio, estimation of relative risk, attributable risk, odds ratio, risk difference, comparison of proportion different sample.

Group B (Operation Research): 30 Marks

Solution of linear programming problems by graphical method, geometric, simplex methods, revised simplex method, Dual Simplex Method, Two-phase Method, Big-M method, problems on transportation problem, Solution of "Two person zero sum" game and non-zero sum games, pure, mixed and optimal strategy games, solution of game by graphical methods, simplex method, approximate solution of game by brown's algorithm.