

1997

M.Sc. EPIDEMIOLOGY DEGREE EXAMINATION

Paper I - PRINCIPLES OF EPIDEMIOLOGY AND BIostatISTICS

Time: Three hours

Max.marks:100

Answer All Questions

1. Write briefly on:
 - (a) Regression to the mean
 - (b) Comparison of means between groups of unequal variance
 - (c) β error in hypothesis tests
 - (d) Odds ratio in case control study : Implications for relative risk. (30)
2. Discuss the utility of receiver-operator characteristics curves in the evaluation of a diagnostic test. Outline the considerations involved in the choice of a cut-off Point. (20)
3. Write briefly on:
 - (a) Incidence density
 - (b) Population attributable risk
 - (c) Misclassification bias
 - (d) Cluster sampling: Strengths & Weaknesses (30)
4. Discuss the strategies to control 'Confounding' in a study at various stages. (20)