

OCTOBER 1999

[KA 234]

M.Sc. (Epidemiology) DEGREE EXAMINATION.

Part I

Paper I — PRINCIPLES OF EPIDEMIOLOGY AND
BIOSTATISTICS

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Write briefly on :
 - (a) Standard deviation versus coefficient of variation
 - (b) Confidence intervals of odds ratio
 - (c) Blinding in Randomised Controlled Trials
 - (d) Ethical considerations in experimental studies involving human beings. (30)
 2. Illustrate with examples the uses and misuses of Chi-square test (χ^2). (20)
 3. Write briefly on :
 - (a) Addition law and multiplication law of probability (30)
 - (b) Receiver operator characteristic curve
 - (c) Decision tree
 - (d) F-test.
 4. What are the strengths and weaknesses of cohort studies? (20)
-