

M.Sc. (Epidemiology) DEGREE EXAMINATION.

Part I

Paper III - EPIDEMIOLOGICAL METHODS IN HEALTH
MANAGEMENT

Time: Three hours

Max.marks:100

Answer All Questions

1. Write briefly on:
 - (a) Methods for tracing the source of an epidemic of water-borne disease
 - (b) Micronutrients and risk of cancer
 - (c) 'Sensitivity analysis' in clinical decision making (30)
 - (d) 'Non-differential bias'. (30)
2. The choice of 'cut-off' point for positive test is governed by cost-effectiveness of available therapeutic intervention'. Discuss this theme with appropriate examples. (20)
3. Write briefly on:
 - (a) Inter-rates variability for categorical outcomes
 - (b) Risk factors for HIV infection
 - (c) Internal validity of a study
 - (d) 'Fractional design'. (30)
4. Discuss the strategies for reducing infant mortality rate. (20)