

[LC 0413]

APRIL 2013

Sub. Code: 3001

M.Sc (EPIDEMIOLOGY) DEGREE EXAMINATION

PART I

PAPER I – PRINCIPLES OF EPIDEMIOLOGY AND BIOSTATISTICS

Q.P. Code : 313001

Time : 3 hours

Maximum : 100 marks

I. Elaborate on:

(2x20=40)

1. Define sampling. Discuss the various sampling methods with its merits and demerits.
2. A leading drug company has introduced a new vaccine to prevent cervical cancer. How will you design a Randomized Controlled Study to measure the effectiveness of the vaccine.

II. Write notes on :

(10X6=60)

1. Gantt chart
2. Advantages and disadvantages of a Case control study
3. Life table and its uses
4. Advantages and disadvantages of non parametric test
5. Scale of measurement
6. Principles of sample size calculation
7. Time trends in disease occurrence
8. Time series analysis
9. Uses of epidemiology
10. Relative risk and attributable risk
