

MARCH - 2009

Sub. Code: 3001

[KU 234]

**M.Sc (EPIDEMIOLOGY) DEGREE EXAMINATION**

**Part I**

**Paper I – PRINCIPLES OF EPIDEMIOLOGY AND BIostatISTICS**

*Q.P. Code : 313001*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**(2 X 20=40)**

**I. Essays:**

1. What is sampling? Write briefly on the different sampling techniques. How can population parameter be estimated from a sample?.
2. A new vaccine has been produced against HIV. What are the phases in evaluation of this vaccine? How will you conduct the 2<sup>nd</sup> phase of this evaluation?

**II. Write Short Notes on :**

**(10X 6 = 60)**

1. Bias.
2. Population attributable risk.
3. Twin studies.
4. F test.
5. Validity of a screening test.
6. Application of X<sup>2</sup> test.
7. Types of epidemics.
8. Binomial distribution.
9. Scatter diagrams.
10. Epidemiological triad.

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