

[LN 1018]

OCTOBER 2018

Sub. Code: 3001

**M.Sc. EPIDEMIOLOGY EXAMS
FIRST YEAR
PAPER I – PRINCIPLES OF EPIDEMIOLOGY AND BIostatISTICS**

Q.P. Code : 313001

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is Natural History of Disease? What study designs can be applied for constructing a Natural History of a Disease? Explain with appropriate example.
2. What are errors in measurement? Explain with appropriate examples how errors in measurement of a disease can be avoided.

II. Write notes on:

(10 x 6 = 60)

1. Analytical study designs with examples.
2. Elements of an Informed Consent.
3. Stratified sampling with examples.
4. Ecological Studies with examples.
5. Reliability and Validity.
6. Sensitivity and specificity with examples.
7. Statistical modelling.
8. Descriptive statistics.
9. Measures of central tendency.
10. Uses of epidemiology.
