

[LN 1018]

OCTOBER 2018

Sub. Code: 1255

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EXAMS
FIRST YEAR
PAPER V – EPIDEMIOLOGY AND BIOSTATISTICS**

Q.P. Code : 281255

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss Bradford Hill's causal criteria in epidemiology.
2. Discuss cohort study design with pertinent example.

II. Write notes on

(10 x 6 = 60)

1. Describe Endemic, Epidemic and Pandemic with suitable examples.
2. Explain cross sectional study design.
3. Describe normal distribution.
4. Write a short note on selection bias.
5. Briefly explain randomization and blinding.
6. Explain scales of measurement.
7. Write short notes on p value and confidence intervals.
8. Differences between parametric and non parametric tests.
9. Write short notes on measures of dispersion.
10. Explain Student's t test.
