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. Explain the measure for prevention and control of communicable and non-communicable diseases.

2. Discuss in detail about the various sampling methods.

II. Write notes on: **(10 x 6 = 60)**

1. Explain the role of epidemiology in health sciences.
2. Discuss about the principal sources of epidemiology.
3. What do you understand by validity of diagnostic tests?
4. Discuss about the natural history of a disease.
5. Describe about the presentation of data through diagrams.
6. Explain about type I and type II error.
7. Discuss about the analysis of variance.
8. Describe the concept of correlation coefficient.
9. Explain the term regression analysis.
10. What are the advantages of non-parametric tests?

****