

**M.D. DEGREE EXAMINATION**  
**BRANCH XV – COMMUNITY MEDICINE**  
**PAPER I – TROPICAL MEDICINE AND PUBLIC HEALTH**  
**BASIC SCIENCES IN COMMUNITY MEDICINE**

*Q.P. Code: 202051*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. List the diseases that are transmitted by Aedes mosquitoes. Discuss the control measures with reference to the breeding and biting habits of Aedes mosquitoes.
2. Describe the epidemiology of leprosy. List the measures to prevent disability among people affected with leprosy.

**II. Short notes:**

**(10 x 5 = 50)**

1. Sources of information for mortality and morbidity in India and their limitations.
2. Knowledge on natural history of diseases and its relevance in public health.
3. Tests for statistical significance with discrete data.
4. Confidence interval.
5. Epidemiology of rubella and control measures.
6. Management of drug resistant Tuberculosis.
7. List the soil-transmitted helminthic infections and the strategies for prevention.
8. Epidemiology of Scrub Typhus and control measures.
9. List the common waterborne diseases and discuss the control measures.
10. Describe the general principles guiding the introduction of screening programmes in a community.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Differentiate between descriptive statistical methods and inferential statistical methods.
2. Explain 'Skewed and normal distribution of data' with relevant examples.
3. Relevance of herd immunity in vaccination programmes.
4. Discuss the relevance of social and cultural epidemiology in health and diseases of children.

\*\*\*\*\*