

Reg. No.....

**MPH Part II Degree Regular/Supplementary Examinations
September 2023**

**Paper I – Intermediate Epidemiology & Biostatistics, Health Informatics
and Chronic & Infectious Disease Epidemiology**

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

QP Code: 201314

Max Marks: 50

Section A – Intermediate Epidemiology and Biostatistics, Health Informatics

Short Essays:

(2x10=20)

1. What are the various types of Bias in epidemiological studies. Explain with examples.
2. Demonstrate the differences between multiple linear regression versus multiple logistic regression.

Short Notes:

(6x5=30)

3. F test for variances
4. Mantel Haentzel estimate
5. Stratified sampling
6. Correlation
7. One sample tests
8. Effect modification

QP Code: 202314

Max. Marks: 50

Section B – Chronic and Infectious Disease Epidemiology

Short Essay:

(2x10=20)

1. Explain the common laboratory diagnostic modalities used in infectious disease epidemiology.
2. Write a short essay on the cold chain storage for public health vaccines

Short Notes:

(6x5=30)

3. Web of causation
4. Population approach for cancer screening
5. Effects of obesity
6. Uses of anthropometry
7. Inter-observer variation
8. Epidemiology of measles
