

Reg. No.....

MPH Part II Degree Supplementary Examinations December 2024

**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. Enlist the uses of epidemiological data. What are the various types of sampling. Explain with a suitable example.
2. Explain the steps of Survival data analysis with a note on Kaplan meir curves.

Short Notes:

(6x5=30)

3. Confounders
4. Applications of Health Management Information System
5. One-way ANOVA
6. Inductive reasoning
7. Null hypothesis
8. Reliability

QP Code: 202314

Max. Marks: 50

Section B – Chronic and Infectious Disease Epidemiology

Short Essay:

(2x10=20)

1. Enlist the various routes of transmission of infectious diseases. Add a note on the nature of human immune response to infectious agents.
2. Write a short essay on the various sources of bias and errors for physical and biological measurements.

Short Notes:

(6x5=30)

3. Epidemiological triad
4. Differences between communicable and non-communicable diseases.
5. Major sources of Non communicable disease data
6. Bioterrorism
7. Index case
8. Levels of prevention in non-communicable diseases with examples
