

Reg. No.....

MPH Part II Degree Regular/Supplementary Examinations March 2025

**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*
- *Simple calculator shall only be permitted*
- *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. Discuss the various non-parametric tests with reference to when they are used for analysis.
2. Explain the process of model building using logistic regression in epidemiological research.

Short Notes:

(6x5=30)

3. Ethical issues in data management
4. Alternate hypothesis
5. Chi-square test
6. Correlation
7. Two sample tests
8. Deductive reasoning

QP Code: 202314

Max. Marks: 50

Section B – Chronic and Infectious Disease Epidemiology

Short Essay:

(2x10=20)

1. Outline the steps of an outbreak investigation. Add a note on importance of disease surveillance.
2. Write an essay on WHO STEPs approach for surveillance of non-communicable diseases risk factor surveillance

Short Notes:

(6x5=30)

3. Fomites
4. Vaccine efficiency
5. Disability Adjusted Life Years
6. Partnerships for non-communicable diseases prevention and control
7. Passive immunity
8. High risk approach for cancer screening
