

Reg. No.....

MPH Part I Degree Supplementary Examinations March 2025
Paper II – Introduction to Epidemiology, Basic Biostatistics, Quantitative and Qualitative Research Methods

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: 103314

Max Marks: 50

Section A – Introduction to Epidemiology & Basic Biostatistics

Short Essays: (2x10=20)

1. Explain the concepts of reliability and validity in epidemiologic research with suitable examples.
2. Outline the key differences between case-control and cohort studies citing appropriate case studies.

Short Notes: (6x5=30)

3. Type II errors
4. Tests of significance
5. Skewed distribution
6. Application of t-tests
7. p-value
8. Range

QP Code: 104314

Max Marks: 50

Section B – Quantitative and Qualitative Research Methods

Short Essay: (2x10=20)

1. Describe survey methods with suitable examples.
2. Explain grounded theory as a research approach, with suitable examples.

Short Notes: (6x5=30)

3. Strengths of quantitative research
4. Multiple regression
5. Snowball sampling
6. Case study method
7. Quality assurance measures for focus group discussion
8. Intra- and inter-observer variations
