

Reg. No.....

**MPH Part I Degree Regular/Supplementary Examinations
November 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 differences between the concepts of association and causation with suitable examples
2. What are crude rates and specific rates. Explain with examples

Short Notes:

(6x5=30)

3. Life course epidemiology
4. Principles of disease surveillance
5. Bias in inference
6. Difference in Population vs. Cohorts
7. t-tests
8. Principles of outbreak management

QP Code: 104314

Max Marks: 50

Section B – Quantitative and Qualitative Research Methods

Short Essay:

(2x10=20)

1. Explain the types and applications of mixed methods studies with suitable examples
2. Describe the steps of analysis of data collected through qualitative research methods

Short Notes:

(6x5=30)

3. Communicating research findings
4. Participatory research methods
5. Ethical misconduct in research
6. Cross sectional designs
7. e-interview
8. Applications of non-probability sampling
