

Reg. No.....

MPH Part I Degree Regular/Supplementary Examinations June 2022

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*
- *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. Describe the steps in conducting a case control study. Mention the differences of a matched case control study.
2. Describe the steps in testing a hypothesis of difference in mean values of two different groups. Mention the differences if the same group is tested after an intervention.

Short Notes:

(6x5=30)

3. Describe the different types of incidence rates
4. Normal distribution curve
5. Characteristics of a single exposure common source epidemic
6. Spot map and area map
7. Strength of association
8. Measures of central tendency

QP Code: 104314

Max Marks: 50

Section B – Quantitative and Qualitative Research Methods

Short Essay:

(2x10=20)

1. Describe the data collection methods in qualitative research
2. Describe the steps in doing a randomised control trial

Short Notes:

(6x5=30)

3. Hawthorne effect
4. Cluster sampling and design effect
5. Null hypothesis
6. Cross sectional study
7. Triangulation in qualitative research
8. Population attributable risk
