

Reg. No.....

MPH Part I Degree Examinations November 2018

**Paper II – Introduction to Epidemiology, Basic Biostatistics,
Quantitative and Qualitative Research Methods**

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- 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. Design a study to estimate the potential risk factors for cardio vascular disease and discuss about various steps involved in epidemiological study design
2. What is sampling? What are the different types of sampling

Short Notes: (6x5=30)

3. Ecological study
4. Measures of dispersion
5. Measures of central tendency
6. Normal Distribution Curve.
7. Case control study design its advantages and disadvantages.
8. Type I and type II error

QP Code: 104314

Max Marks: 50

Section B – Quantitative and Qualitative Research Methods

Short Essay: (2x10=20)

1. Discuss about various methods of data collection in qualitative research and describe about focus group discussion.
2. Describe briefly about cohort study design and discuss about possible bias in cohort study design.

Short Notes: (6x5=30)

3. Differences between questionnaire and Interview schedule
4. Chi-square
5. Snow ball sampling
6. Cluster randomization
7. Recall bias
8. Qualitative data analysis.
