

Reg. No.....

**MPH Part I Degree Supplementary Examinations April 2019**

**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. What is a confounding factor. What are the steps that one can take in the study design and analysis to neutralize confounding factors.
2. Describe time distribution in epidemiology. Draw epidemic curve of a propagated epidemic.

**Short Notes:**

**(6x5=30)**

3. Relationship between prevalence and incidence
4. "Ethnographic Interviews"
5. Confidence interval
6. Systematic random sampling
7. Measures of Central Tendency.
8. Attrition in Cohort studies

QP Code: 104314

Max Marks: 50

**Section B – Quantitative and Qualitative Research Methods**

**Short Essay:**

**(2x10=20)**

1. What is focus group discussion (FGD). Describe the role of FGD in qualitative research.
2. What are the disadvantages of conducting a case control study. Describe the different types of biases in case control study.

**Short Notes:**

**(6x5=30)**

3. Blinding in clinical trials
4. 'Ethnographic Interviews
5. 'Autonomy' (in ethics)
6. Informed consent
7. Scales of Measurement.
8. 'Ratio'

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