

Reg. No.:.....

**M Phil Clinical Epidemiology (Part Time) Part I Supplementary Examinations June 2024**

**Paper I – Basic Research Methodology including Epidemiology, Biostatistics and Research Ethics**

**Time: 3 hrs**

**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* • *Draw table/diagrams/flow charts wherever necessary*
- *Write Section A and Section B in separate answer books. Do not mix up questions from Section A and Section B*

**QP Code: 101531**

**Max marks:50**

**Section A: Basic Research methodology including epidemiology and research ethics**

**Essays:**

**(5x10=50)**

1. Discuss phases of clinical trials.
2. What is nested case control study. What are its advantages and disadvantages.
3. Discuss CONSORT Guidelines.
4. Explain Hawthorne effect. Give examples within a study design.
5. Explain 'Blinding IN Research'. What are its types.

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**QP Code: 102531**

**Max marks:50**

**Section B: Biostatistics**

**Essays:**

**(5x10=50)**

1. Specify the difference between unbiasedness, precision and accuracy.
2. What are the methods for forming hypotheses which relate association and causation.
3. Give the difference between correlation and regression.
4. Give various uses of chi-square test.
5. What is the use of logistic regression in the analysis of data.

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