Reg. No.:……

First Year MHA Degree Regular/Supplementary Examinations December 2022

Paper III – Research Methodology & Biostatistics

(2013 Scheme)

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***
- ***Ordinary calculator and logarithm table may be permitted to the students.***
- ***Write SECTION A and SECTION B in separate Answer books (32Pages). Do not mix up questions from Section A and Section B***

QP Code: 123380 **Section A – Research Methodology** **50**

Essay: **(20)**

1. Explain hypothesis. Give a critical analysis on the types and the methods of testing the hypothesis in hospital contexts.

Short Essay: **(10)**

2. What you mean by data analysis. Explain the process of inferences planning evaluation.

Short notes: **(4x5=20)**

3. Interview schedule
4. Sampling designs
5. Descriptive research
6. Theory in research

……

QP Code: 124380 **Section B – Biostatistics** **50**

Essay: **(20)**

1. A certain stimulus administered to each of the 12 patients resulted in the following increase of blood pressure, 5, 2, 8, -1, 3, 0, -2, 1, 5, 0,4, 6. Can it be concluded that the stimulus will in general be accompanied by an increase in blood pressure.

Short Essay: **(10)**

2. Critically analyze the scope of statistics in health management and research programmes.

Short Notes **(4x5=20)**

3. Median
4. Rank correlation coefficient
5. Normal distribution
6. Estimation

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