First Year MHA Degree Regular/Supplementary Examinations
November 2020
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*
- *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. Define research. Explain utility of descriptive research in hospital administration and explain various steps of conducting descriptive research.

Short Essay: (10)
2. What do you mean by sample and sampling technique. Explain stratified sampling technique with an example.

Short notes: (4x5=20)
3. Literature review
4. Presentation of data
5. Types of analysis
6. Report writing

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QP Code: 124380   SECTION B – BIOSTATISTICS   50

Essay: (20)
1. Explain "correlation" and different types of correlation. Calculate Karl Pearson's correlation coefficient between ESR and CRP levels and interpret.

ESR	5	30	49	70	13	18	13	49
CRP	83	76	98	126	137	12	12	66

Short Essay: (10)
2. Calculate mean and median for the following data regarding number of patients to the hospital on 100 days.

No. of patients	No. of days
100 - 120	20
120 - 140	25
140 - 150	35
150 - 160	15
160 - 170	5
Total	100

Short notes   (4x5=20)
3. Vital statistics
4. Standard deviation
5. Laws of probability
6. Paired t test

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