

First Year MHA Degree Supplementary Examinations April 2018

PAPER III – RESEARCH METHODOLOGY & BIostatISTICS
(2013 Scheme)

Time: 3 Hours

Max Marks: 100

- Answer all the questions
- Write Section A and Section B in separate answer books(32 pages)
Do not mix up questions from section A and section B

QP Code: 123380 SECTION A – RESEARCH METHODOLOGY 50

Essay: (20)

1. What do you mean by “research”. Discuss briefly various steps in conducting research.

Short Essay: (10)

2. Discuss “need for research in hospital and health management”

Short notes: (4x5=20)

3. Hypothesis
4. Exploratory design
5. Secondary data
6. Report writing

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QP Code: 124380 SECTION B – BIostatISTICS 50

Essay: (20)

1. Discuss utility of chi square test.
In a boarding school, 80 children were given oral typhoid vaccine. 120 children were given injectable typhoid vaccine. Typhoid outbreak occurred after one year. Among the oral vaccine received children 20 got typhoid. Among the injectable vaccine received children 20 developed typhoid. Find whether there is any difference in the efficacy between the two vaccines ($\alpha = .05$ is 3.84)

Short Essay: (10)

2. What do you mean measures of central tendency. Calculate mean and median for the following data.

No. of patients	No. of days
100 – 200	5
200 – 400	5
400 – 600	15
600 – 800	3
800 - 1000	2

Short notes (4x5=20)

3. Limitations of biostatistics
4. Diagrams
5. Positive and negative correlation
6. Binomial distribution
