

Reg. No.:.....

First Year MHA Degree Examinations September 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 secondary and primary data. Mention various sources of secondary data. Explain questionnaire method of data collection.

Short Essay: (10)

2. Explain “research problem”. Discuss the characteristics of research problem.

Short notes: (4x5=20)

3. Principles of experimental design
4. Simple random sampling technique
5. Likert scaling technique
6. Report writing

.....

QP Code: 124380

SECTION B – BIOSTATISTICS

50

Essay: (20)

1. What do you mean by measures of dispersion. Mention various measures of dispersion. Calculate mean, standard deviation and coefficient of variation for the following data.

X	f
100	10
150	15
200	30
225	10
300	5
350	0

Short Essay: (10)

2. Define normal distribution and normal curve. Discuss various properties of normal distribution.

Short notes (4x5=20)

3. Application of biostatistics in health management
4. Graphical methods
5. Types of correlation
6. Steps in testing of hypothesis
