

Reg. No.:.....

First Year MHA Degree Examinations, September 2016

**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 sample and sampling. What is the role of sampling in research.
Explain stratified sampling technique.

Short Essay: (10)

2. What do you mean by research. Explain its significance.

Short notes: (4x5=20)

3. Pilot study
 4. Descriptive research design
 5. Level of measurement
 6. Diagrammatic presentation of data
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QP Code:124380

SECTION B – BIOSTATISTICS

50

Essay: (20)

1. Define mean and standard deviation. Calculate mean and standard deviation for the following data regarding diastolic blood pressure in persons aged 25-34 years

| Blood pressure | No. of persons |
|----------------|----------------|
| 70-75 mm Hg | 6 |
| 75-80 mm Hg | 18 |
| 80-85 mm Hg | 46 |
| 85-90 mm Hg | 17 |
| 90-95 mm Hg | 6 |
| 95-100 mm Hg | 2 |

2. Define correlation. Mention different methods of measuring correlation between the variables. Explain scatter diagram method of ascertaining correlation.

Short notes (4x5=20)

3. Biostatistics and its uses
4. Probability and laws of probability
5. Normal distribution
6. Chi square test for association
