

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

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