First Year MHA Degree Examinations, December 2012

PAPER III - RESEARCH METHODOLOGY & BIOSTATISTICS

Time: 3 Hours   Max Marks: 100

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

QP Code:103380   SECTION A - RESEARCH METHODOLOGY   50

Essay: (20)

1. Define "sample" and "sampling". Explain stratified and cluster sampling techniques

Short Essay: (10)

2. Explain the different methods of data collection.

Short notes: (4X5=20)

3. Research problem
4. Hypothesis
5. Histogram
6. Census and sample survey

QP Code:104380   SECTION B - BIOSTATISTICS   50

Essay: (20)

1. Define measures of dispersion. Calculate standard deviation and coefficient variation from the following data regarding age of the patients

Age(yrs)	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	Total
No. of Patients	5	10	15	4	1	35

Short Essay: (10)

2. Explain scatter diagram method of ascertaining correlation between two variables.

Short notes: (4x5=20)

3. Define statistics and list the functions of statistics
4. Normal curve
5. Various steps in testing of hypothesis
6. Null hypothesis and alternative hypothesis

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