

First Year MHA Degree Examinations, Feb RESEARCH 2012

PAPER III -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:2380

SECTION A -RESEARCH METHODOLOGY

Essay: (1x20=20)

1. What do you mean by data in research. Discuss different types of data. Explain questionnaire method of data collection.

Short Essay: (1x10=10)

2. What do you mean by research. Discuss characteristics of research.

Short notes: (4x5=20)

3. Research problem
4. Stratified sampling technique
5. Literature review
6. Classification of data

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SECTION B -BIOSTATISTICS

Essay: (1x20=20)

1. What is an average. Calculate mean and median for the following data regarding no. of inpatients in a hospital in a month.

No. of patients	200-300	300-400	400-500	500-600	600-700	Total
No. of days/month	3	15	10	1	1	30

Short Essay: (1x10=10)

2. In an experiment to know whether there is any difference in the length of small intestines between males and females, the observations recorded were as follows. Test whether there is any difference between males and females.

	Males	Females
No. of observations	17	15
Mean length of the small intestines(inches)	157	146
S.D of the observations(inches)	34	31

Short notes: (4x5=20)

3. Write a note on normal distribution
4. Define standard deviation and mention merits and demerits of standard deviation
5. Positive and negative correlation
6. Point estimation and Interval estimation
