

First Year MHA Degree Supplementary Examinations February 2017

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 “primary” and “secondary” data. Mention various sources of secondary data. Explain questionnaire method of data collection.

Short Essay: (10)

2. What is research problem. Discuss the main issues which should receive the attention of the researcher in formulates the research problem.

Short notes: (4x5=20)

3. "Hypothesis
4. Cluster sample.
5. Interview method of data collection.
6. Types of research in brief.

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QP Code:124380 SECTION B – BIOSTATISTICS 50

Essay: (20)

1. In a nutritional study, 13 children were given a usual diet plus vitamins A and D tablets while the second comparable group of 12 children was taking the usual diet. After 12 months, the gain in weight in pounds was noted as given in the table below. Can we say that vitamins A and D were responsible for this difference.

Children on vitamins	Children usual diet
5	1
3	3
4	2
3	4
2	2
6	1
3	3
2	4
3	3
6	2
7	2
5	3
3	-

Short Essay:

(10)

2. Define median and mode and calculate the same for the following data regarding age of the patients.

Age (yrs)	No. of patients
20-30	14
30-40	23
40-50	56
50-60	20
60-70	10
>70	2

Short notes

(4x5=20)

3. Diagrammatic presentation of data
4. Types of correlation
5. Significance of standard deviation and coefficient of variation
6. Binomial distribution
