

Reg. No.:.....

First Year MHA Degree Supplementary Examinations, February 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 primary and secondary data. Mention the various sources of secondary data. Explain the questionnaire method of data collection.

Short Essay: (10)

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

Short notes: (4x5=20)

3. Criteria of good research
4. Cluster sample.
5. Interview method of data collection
6. Types of research

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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 vitamin 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 on 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	-

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Short Essay**(10)**

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

Age(years)	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
