

Reg. No.:.....

First Year MHA Degree Supplementary Examinations March 2026
Paper III – Research Methodology & Biostatistics
(Common for 2013 and 2016 Scheme)

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Simple calculator shall only be permitted*
- *Write SECTION A and SECTION B in separate Answer books (32Pages). Do not mix up questions from Section A and Section B*

QP Code: 123380

Section A – Research Methodology

50

Essay:

(20)

1. Write an essay on formulation, identification, and selection of research problems in management. Explain hypothesis in the research.

Short Essay:

(10)

2. What is data collection in research methodology. Explain types of data and methods used for data collection.

Short notes:

(4x5=20)

3. Methods used in the presentation of data.
 4. Types of research design.
 5. Sampling techniques.
 6. Content analysis.
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QP Code: 124380

Section B – Biostatistics

50

Essay:

(20)

1. Define dispersion as a measure of central tendency. Calculate the standard deviation for the data given below

Age (yrs)	Number of workers
25-30	06
30-35	09
35-40	15
40-45	12
45-50	04
50-55	03
55-60	01

Short Essay:

(10)

2. Discuss various types of normal distribution. Explain the characteristics of the normal distribution.

Short Notes:

(4x5=20)

3. Chi-square test.
4. Sampling distribution and standard error.
5. Explain correlation and linear regression.
6. Define mean, median and mode with examples from hospital vital statistics.
