

QP CODE: 105388

Reg No:.....

First Year Master of Optometry Degree Examination – December 2015

Research Methodology and Biostatistics

Time: 3 Hours

Total Marks: 80

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(20)

1. Explain the steps in the research process in detail with the help of a flow diagram.

Short Essays

(6x10=60)

2. "What is non-parametric test. When is it used. Explain the different non-parametric tests.

3. Explain the different measurement scales used in research with appropriate examples.

4. Explain the various methods for representation of data.

5. What is normal distribution of data. Enumerate the characteristics of a standard normal distribution curve.

6. What is correlation. Explain the various types of correlation with diagrams.

7. Department of ophthalmology in a medical college performed the following number of retinal surgeries each month:

15, 18, 25, 40, 25, 18, 25, 21, 30, 33, 25

Find the range, mean and standard deviation of monthly operation.
