

QP CODE: 105388

Reg No:.....

**First Year Master of Optometry Degree Supplementary Examinations
April 2017**

Research Methodology and Biostatistics

Time: 3 Hours

Total Marks: 80

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(20)

1. Explain the term 'hypothesis'. What do you mean by null and alternate hypotheses. Add a note on
 - Type I and Type II errors
 - Level of significance
 - Procedure for hypothesis testing

Short Essays

(6x10=60)

2. Role of biostatistics in health sciences
3. Concept of skewness and kurtosis
4. Explain the structure of a research thesis.
5. Validity of a diagnostic test
6. Analysis of variance (ANOVA)
7. Descriptive epidemiology – methods and uses
