

QP CODE: 105388

Reg. No:.....

**First Year Master of Optometry Degree Regular Examinations
October 2019**

Research Methodology and Biostatistics

Time: 3 Hours

Total Marks: 80

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

Essay

(20)

1. Discuss how do you critically analyze a published journal article for a post graduate journal club. Briefly explain the methodology considerations which decide the scientific merit of a published study.

Short Essays

(6x10=60)

2. Descriptive epidemiology
3. Measurement error
4. Normal distribution
5. Vital statistics
6. Simple random sampling
7. Sample size determination
