

**QP CODE: 105388**

**Reg. No:.....**

**First Year Master of Optometry Degree Supplementary Examinations  
August 2021**

**Research Methodology and Biostatistics**

**Time: 3 Hours**

**Total Marks: 80**

- *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*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay**

**(20)**

1. Write the steps of a research protocol. Briefly describe the activities involved in each step explaining the rationale of each step and precautions taken for achieving a valid research output.

**Short Essays**

**(6x10=60)**

2. Measures of dispersibility
3. Probability sampling methods
4. Graphic display of organized data
5. Analysis of Variance (ANOVA)
6. Nonparametric tests of significance
7. Definition and aims of epidemiology

\*\*\*\*\*