

**QP CODE: 105388**

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

**First Year Master of Optometry Degree Examination – October 2016**

**Research Methodology and Biostatistics**

**Time: 3 Hours**

**Total Marks: 80**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(20)**

- 1.Explain the advantages and disadvantages of non parametric tests. What are the applications of chi-square test. Explain the steps involved in the application of chi-square test.

**Short Essays**

**(6x10=60)**

- 2.General format of an original article published in an international peer-reviewed journal.
- 3.Explain the methods used in non-probability sampling.
- 4.Validity of a diagnostic test
- 5.Concept and properties of correlation coefficient
- 6.What are the aims of epidemiology. Classify the different epidemiological designs and add a note on design of cohort study.
- 7.Student's t-test

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