



MASEÑO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF SCIENCE IN APPLIED STATISTICS

CITY CAMPUS

MAS 889: RESEARCH METHODS

Date: 21st February, 2015

Time: 2.00 - 5.00 pm

INSTRUCTIONS:

- Answer ANY THREE questions.

MAS 889 RESEARCH METHODS

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Question One

- a) Define the term research as used in the context of statistics. (2marks)
- b) Describe the criteria of a good research. (5 marks)
- c) "Every research is undertaken to fulfill a given purpose". In view of this statement, describe the significance of research to both statisticians as well as scholars. (7 marks)
- d) Highlight various problems encountered by a researcher while undertaking his/her research activities. (6 marks)

Question Two

- a) What is a research problem ? (2 marks)
- b) Explain various considerations in selecting a research problem. (14 marks)
- c) Highlight the functions of hypothesis in research (4 marks)

Question Three

- a) Explain the purpose of literature review in research. (12 marks)
- b) Elaborate on essentials of a good questionnaire as a tool of data collection in a research. (4 marks)
- c) Identify the various limitations of survey technique as a method of data collection. (4 marks)

Question Four

- a) "To qualify as a research, the process must have certain characteristics". Explain. (12 marks)
- b) Highlight four differences between qualitative and quantitative research (8 marks)

Question Five

Discuss the ethical issues relating to the researcher and the research participants giving examples where necessary. (20 marks)