



**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: BSC. LWM (YEAR 3)

COURSE CODE: LUM 305

TITLE OF PAPER: RESEARCH METHODS

TIME ALLOWED: TWO (2) HOURS

SPECIAL MATERIAL REQUIRED: NONE

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY TWO OTHER
QUESTIONS.**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN
GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1 (COMPULSORY QUESTION)

- a. Describe the situation under which confirmatory research and exploratory research is appropriate to use, supporting your answer with examples. (20 marks)
- b. Using examples discuss the difference between a null hypothesis and associated difference hypothesis. (10 marks)
- c. Discuss how the nominal level of measurement differs from the ordinal level. (10 marks)

QUESTION 2

- a. Using examples, illustrate how systematic and stratified random sampling can be undertaken. (20 marks)
- b. Discuss how "Regression" can be used in research, using examples to illustrate your answer. (10 marks)

QUESTION 3

- a. Discuss the overall purposes, advantages and challenges of using questionnaires and interviews as methods to collect data. (20 marks)
- b. Discuss two measures of tendency, illustrating how they can be obtained. (10 marks)

QUESTION 4

- a. Using examples, discuss how the Time Series Design can be used in a research to determine the adoption of soil conservation innovations. (15 marks)
- b. Describe the content of a research proposal, highlighting the critical information to be included in the proposal. (15 marks)