UNIVERSITY OF SWAZILAND

FACULTY OF COMMERCE

DEPARTMENT OF BUSINESS ADMINISTRATION

SUPPLEMENTARY EXAMINATION PAPER

JULY, 2009

(FULL TIME / IDE STUDENTS).

TITLE OF PAPER	:	RESEARCH METHODOLOGY
COURSE CODE	:	COM 400
TIME ALLOWED	:	THREE (3) HOURS
TOTAL MARKS	:	100 MARKS
INSTRUCTIONS	:	(1) TOTAL NUMBER OF QUESTIONS IN THIS PAPER IS FIVE (5)
		(2) THE PAPER CONSISTS OF SECTION A AND SECTION B.
		(3) ANSWER ALL QUESTION IN SECTION A WHICH IS COMPULSORY AND ANY TWO (2) QUESTIONS IN SECTION B.
		(4) THE MARKS ALLOCATED FOR A QUESTION / PART OF A QUESTION ARE INDICATED AT THE END OF EACH QUESTION / PART OF QUESTION.
		(5) WHERE APPLICABLE, ALL WORKINGS / CALCULATIONS MUST BE CLEARLY SHOWN.

NOTE: MAXIMUM MARKS WILL BE AWARDED FOR GOOD QUALITY LAYOUT, ACCURACY, AND PRESENTATION OF WORK.

THIS PAPER MUST NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

SECTION A (COMPULSORY)

Q1. *"Those who do research belong to a community of scholars, each of whom has journeyed into the unknown to bring back a fact, a truth, or a point of light. What they have recorded of their journeys and their findings will make it easier for one to explore the unknown: to help one discovers a fact, a truth, or bring back a point of light".*

Discuss this statement in the context of your knowledge in literature review. (25marks).

Q2 (a). Of what relevance is hypothesis in research? (15marks).

(b). *Conceptual definitions should have some properties in order to be useful in research.* What are these properties? (10marks).

SECTION B (ANSWER ANY TWO QUESTIONS).

Q3. The following hypothetical data on the distribution of Judges' selection for one item under the Thornstone techniques are as follows:

Category Number:	1	2	3	4	5	6	7	8	9	10	11
Number of Judges:	0	10	20	35	60	80	49	30	15	1	0

From the above data, compute:

(a). The cumulative percentage (8marks).

(b). Draw the ogive graph to show the necessary quartile values. (10marks).

(c). Calculate the coefficient of ambiguity. (7marks).

Q4. (a). A population is divided into three strata so that $N_1=5000$, $N_2=2000$, and $N_3=3000$. Respective standard deviations are: $\delta_1=15$, $\delta_2=18$, and $\delta_3=5$. How should a sample size $n = 84$ be allocated to the three strata, if we want optimum allocation using disproportionate sampling design? (10marks).

(b). Distinguish between stratified sampling and cluster sampling. (15marks).

Q5 (a). What are the criteria of coding scheme? (10marks).

(b). Explain the three methods of statistical control. (15marks).