

UNIVERSITY OF SWAZILAND**INSTITUTE OF POST-GRADUATE STUDIES****DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND
MANAGEMENT****FINAL EXAMINATION PAPER, NOV./DEC. 2010**

COURSE CODE : **EDF 650**

TITLE OF PAPER : **QUANTITATIVE METHODS OF RESEARCH**

TIME ALLOWED : **THREE (3) HOURS**

INSTRUCTIONS : **ANSWER ALL QUESTIONS**

TOTAL MARKS : **100**

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION TO DO SO HAS BEEN
GRANTED BY THE INVIGILATOR**

QUESTION 1

A researcher conducted a study to see the attitudes of male and female teachers towards having mentally challenged pupils in regular classrooms. (N = 195). He used a likert type scale that involved ALWAYS, SOMETIMES and NEVER to show degree of acceptance of the mentally challenged pupils. Below are the results:

TABLE 1:

SEX	ACCEPTANCE ATTITUDE			TOTAL
	ALWAYS	SOMETIMES	NEVER	
MALES	10.8% (14)	40% (52)	49.2% (64)	100% (130)
FEMALES	12.3% (8)	24.6% (16)	63.1% (41)	100% (65)

Cramer's V = 0.153

- (a) Give a suitable Heading to this table. (5 marks)
- (b) Formulate a null hypothesis for this study. (5 marks)
- (c) Fully discuss the results, indicating what the obtained Cramer's V means. (30 marks)

QUESTION 2

Giving examples where applicable, differentiate between:

- (a) parametric and non-parametric statistics. (10 marks)
- (b) descriptive and inferential statistics. (10 marks)
- (c) bar graphs and histograms. (10 marks)

QUESTION 3

Discuss each of the following showing when you can use each of them.

- (a) T – test (10 marks)
- (b) Phi –test (10 marks)
- (c) chi-squared test (10 marks)

END OF EXAMINATION PAPER