

University of Swaziland



Faculty of Education

Department of Educational Foundation and Management

Final Examination Paper 2012/2013

November 2013

Title of paper: Research Design and Techniques

Course Code: EDF650

Time allowed: Three (3) hours

Notes and Instructions: Please answer **all** the questions. The total for the paper is 100% .

This paper is not to be opened until permission has been granted by the invigilator.

Answer All questions

Question one

- (a) What is the difference between Quantitative and Qualitative research? Please give research oriented examples (10 marks)
- (b) Critically explain how these two processes are helpful in research support your answer with research-oriented examples? (5 marks)

Question two

- (a) What is descriptive statistics? (5 marks)
- (b) Explain the importance of descriptive statistics in educational research and give research oriented examples? (5 marks)

Question Three

- (a) From this test scores of 105 students in a history test (see Table: 1) prepare a frequency distribution and then interpret the data? (10 marks)
- (b) Calculate the mean for the frequency distribution of these scores of 105 students in a history test (5 marks).

Table: 1. 105 students history test scores

35,33,31,33,33,27, 33,25,33,34, 33,32,24, 32,30, 32,32,31,31,21,31,31,31,30, 29,29,29,29,29,29,29,29,29,29,29,29,30,30,30,30,29,29,29,29, 30,30,34, 31,33,33,30,30,30,33,26,33,27,27,22,27,21, 21, 27,27,27,33,33,33, 34,33,33,32,28,28,32,23,32,32,31,31,31,31,31,22,31,31,27,30,30,30, 28,28,21, 28,28,28,28,22, 28,28,26,26,26,24,24

Question Four

- (a) Calculate the mean, deviation score, variance and standard deviation from this distribution of the test scores of ten individuals (10, 1, 3, 9, 2, 5, 7, 6, 9, 8). Using this formula.

Variance= Total sum of the deviation score squared divided by N

Standard deviation = Total sum of x squared divided by N, then square root. (10 Marks)

End of the paper