

UNIVERSITY OF SWAZILAND

FACULTY OF EDUCATION

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND MANAGEMENT

MAY, 2014

FINAL EXAMINATION PAPER

COURSE CODE : EDF 321

TITLE OF PAPER : MEASUREMENT AND TESTING

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTION : ANSWER QUESTION 1 AND ANY OTHER TWO
QUESTIONS OF YOUR CHOICE.**

SPECIAL CONDITION : SCIENTIFIC CALCULATOR ARE NEEDED

MARKS ALLOCATED : 100 MARKS

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

QUESTION 1

A total of twenty (20) scores of learners from Geography test graded out of a total of 20 marks was sampled. Use the data below to answer the questions that follow:

4, 16, 6, 15, 6, 10, 11, 6, 8, 10, 10, 8, 9, 10, 11, 12, 9, 12, 12, 13

- Arrange the data in its ascending order and identify the median of the distribution. (5 marks)
- Compute the mean of the ungrouped distribution. (5 marks)
- Use an interval of 3 ($c = 3$) and using 3-5 as your lowest class. Copy and complete the following table. (20 marks)

Class interval	Mid-points	Frequency	Mid-points x Frequency

- Calculate the mean of the grouped data. (5 marks)
- Compare the ungrouped and grouped data means, are they the same or different and why? (5marks)

Total marks [40 marks]

QUESTION 2

Reflect on the concept of measurement and evaluation. Discuss any **four (4)** educational implications of measurement and evaluation as applied in the education.

Total marks [30 marks]

QUESTION 3

Write brief notes in differentiating between the following concepts, use classroom examples to support your argument where applicable.

- Norm reference testing and criterion reference testing. (10 marks)
- Ordinal and interval scales of measurement. (10 marks)
- Diagnostic and formative evaluation. (10 marks)

Total marks [30 marks]

QUESTION 4

Reflect on the concept of item analysis, using relevant classroom examples to support your arguments, discuss any **four (4)** reasons why educators have to perform item analysis after giving any assessment instrument.

Total marks [30 marks]