

UNIVERSITY OF SWAZILAND

FACULTY OF EDUCATION



DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND MANAGEMENT

FOR

INSTITUTE OF DISTANCE EDUCATION AND FULL TIME PROGRAMMES

MAY, 2015 FINAL EXAMINATION PAPER

BACHELOR OF EDUCATION 111 (B.Ed.) Full-Time

BACHELOR OF EDUCATION 111 (B.Ed.) Part-Time

POSTGRADUATE CERTIFICATE IN EDUCATION (PGCE) Part-Time

COURSE CODE : EDF 322

TITLE OF PAPER : EDUCATIONAL RESEARCH

TIME ALLOWED : THREE HOURS

INSTRUCTIONS : ANSWER ANY **THREE** QUESTIONS OF
YOUR CHOICE

TOTAL MARKS : 100

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

1. Describe what a research problem is and examine its importance in Educational research
Total: 33, 3 Marks.
2. Discuss any five ethical issues in research showing why they are critical in an Educational study
Total: 33, 3 Marks.
3. Examine the main components of a research report
Total: 33, 3 Marks.
- 4 a) Table 1 below shows marks scored by ten (10) students in English and History.

Table 1

Pupil	English	History
A	58	60
B	60	64
C	51	56
D	69	75
E	60	64
F	35	42
G	4	8
H	80	80
I	62	68
J	1	3

- I) Calculate the mode for English scores **[2 marks]**
- II) Calculate the mode for History scores **[2 marks]**
- III) Compute the median for English scores **[3 marks]**
- IV) Find the mean for English scores **[5 marks]**
- V) Compute the mean for History scores **[5 marks]**
- VI) State any two (2) advantages of using the mean **[4 marks]**
- VII) State any two (2) advantages of using the mode as a measure of central tendency?
[4 marks]

4b) Compute the Variance for English scores

[8.33 marks]

[Total 33.3 marks]

Question 5

Table 2 below shows the marks obtained by 10 pupils in Mathematics and English in an examination.

Table 2.

PUPIL	A	B	C	D	E	F	G	H	I	J
Maths	62	71	72	62	74	83	54	78	67	57
English	63	61	51	62	58	48	75	57	60	75

5 (a) Calculate the standard deviation of the English mark

(8 marks).

(b) Given that the standard deviation of the Mathematics marks is 9.29 determine the subject in which pupil D did better

(13,3 marks).

c. Calculate the range of Mathematics marks

(3 marks).

d. Calculate the inclusive range of the English marks

(3 marks).

e. State two (2) advantages of using the range

(2 marks).

f. Distinguish between mode and median

(4 marks).

[Total 33.3 marks]