ZIMBABWE EZEKIEL GUTI UNIVERSITY

DEPARTMENT OF EDUCATIONAL FOUNDATIONS

PROGRAMME:	BED (HONS)
COURSE:	RESEARCH METHODS AND STATISTICS
COURSE CODE:	EPR 201
DATE:	**21 JUNE 2017**
DURATION:	3 HOURS

INSTRUCTION TO CANDIDATES

1. **Answer any THREE questions and not more than TWO questions from each section.**

SECTION A

1. Analyse the relevance of a pilot study in educational research. [25]
2. Compare and contrast quantitative and qualitative research paradigms [25]
3. With the aid of practical examples, examine any five factors which researchers should consider when selecting a research topic. [25]

SECTIOB B

4. a) Using the Pearson Product Moment Correlation coefficient, find out the degree of association between the Maths and Science scores. [23]

STUDENT	MATHS	SCIENCE
1	8	7
2	9	8
3	6	9
4	7	8
5	5	9

b) Interpret the degree of association between performance in Maths and Science.

[2]

5. a) Ten students were asked their shoe sizes. The results are as follows:
8; 6; 7; 6; 5; 4; 5; 7; 5; & 6;

For this data find the

i. Mean
ii. Mode
iii. Median [6]

b) For the following data distribution: 6; 7; 10; 11; 13; 16; 18; &25 find

i. The variance
ii. Standard deviation
iii. Z-scores for: 7; 10; 11 &18

6. a) Calculate Spearman's rank order correlation coefficient on students' performance in Reading and Maths. [23]

Reading	75	73	72	70	69	68	66	65	63
Maths	70	73	71	58	68	75	64	60	65

b) Interpret the degree of relationship between performance in Reading and Maths. [2]

END OF PAPER