

ZIMBABWE EZEKIEL GUTI UNIVERSITY

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DEPARTMENT OF EDUCATIONAL FOUNDATIONS

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PROGRAMME: PGDE 101/ BEd HONOURS

COURSE: RESEARCH METHODS AND STATISTICS

COURSE CODE: EPR 101/ ERP 201

DATE: 13 JUNE 2018

DURATION: 3 HOURS

**INSTRUCTIONS TO CANDIDATES**

1. Answer any **THREE** questions, but do not answer more than two questions from one section.
2. Each question carries 25 marks

## SECTION A

1. Assess the effectiveness of probability sampling procedures in educational research. (25 Marks)
2. Focus Group Interviews have little value in research. Evaluate this view. (25 Marks)
3. Discuss the usefulness of literature review in research. (25 Marks)

## SECTION B

4. Ten students obtained the following marks in a Maths test:

60; 58; 70; 32; 40; 57; 65; 30; 70 and 62.

- a) Find the median. (3 Marks)
- b) Find mean deviation. (10 Marks)
- c) Find standard deviation. (12 Marks)

5. Five students obtained the following marks in Maths and Science.

Student	A	B	C	D	E
Maths	8	9	6	7	5
Science	7	8	9	8	9

- a) Calculate Spearman's Rank Order Correlation Co-efficient. (22 Marks)
- b) Comment on the strength of the correlation. (3 Marks)

6. The data shows the marks of five students in Mechanics and Graphics

Mechanics	5	3	4	10	15
Graphics	25	20	21	35	38

- a) Calculate Pearson's Product Moment Correlation of the Mechanics and Graphics marks. (22 Marks)
- b) Comment on the strength of the correlation. (3 Marks)