



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

LIBRARY AND INFORMATION SCIENCE

**SUBJECT: Research Methods and
Statistical Applications**

PAPER NO: 530/S12

DURATION: 3 Hours

OCTOBER/NOVEMBER 2015 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

- 1. Answer any four (4) questions.**
- 2. Each question is worth 25 marks.**

This paper consists of 2 printed pages.

PAPER NO: 530/S12 – RESEARCH METHODS AND STATISTICAL APPLICATIONS

QUESTION 1

Analyse five (5) ethical considerations that should be observed when conducting empirical research. (25 marks)

QUESTION 2

Justify the importance of literature review when conducting applied research. (25 marks)

QUESTION 3

Evaluate at least five (5) ways you would use to enhance the validity and reliability of basic research. (25 marks)

QUESTION 4

Briefly explain the following concepts. Illustrate your answer with examples.

- a) Measures of central tendency (5 marks)
 - b) Target population (5 marks)
 - c) Delimitations (5 marks)
 - d) Data analysis (5 marks)
 - e) Focus group discussion (5 marks)
- (25 marks)

QUESTION 5

Assess the significance of sampling in scientific research. (25 marks)

QUESTION 6

Distinguish between qualitative and quantitative research. Illustrate your answer with relevant examples. (25 marks)

...../1s