



**ZIMBABWE**

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

**HIGHER EDUCATION EXAMINATIONS COUNCIL  
(HEXCO)**

**NATIONAL DIPLOMA**

**IN**

**INDUSTRIAL CLOTHING AND TEXTILE TECHNOLOGY**

**SUBJECT: Introduction to Statistics and Research PAPER NO: 555/21/S10  
Methods**

**DURATION: 3 Hours**

**MARCH / APRIL 2024 EXAMINATION**

**REQUIREMENTS**

1. Answer book
2. Calculator

**INSTRUCTIONS TO CANDIDATE**

1. Answer any five (5) questions.
2. All questions carry equal marks.
3. Write neatly and legibly.

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*This paper consists of 3 printed pages.*

QUESTION 1

Briefly explain the following research designs:

- a) Action research (5 marks)
- b) Explanatory research (5 marks)
- c) Descriptive research (5 marks)
- d) Experimental research (5 marks)

QUESTION 2

Discuss the roles of a research in strategic planning in a Clothing Industry.  
(20 marks) ✓

QUESTION 3

- a) Describe the following research instruments:
  - i) Interview (2 marks)
  - ii) Questionnaires (2 marks)
  - iii) Observations (2 marks)
  - iv) Document analysis (2 marks)
- b) State the category for basic and applied research. *basic* (2 marks)
- c) Discuss any five (5) principles of questioning construction regarding data gathering. (10 marks)

QUESTION 4

- a) Elaborate on the purpose of Literature Review. (10 marks)
- b) Examine the implication of a researcher who does not observe research ethics. (10 marks) ✓

*review is related & can be improved.  
very*

QUESTION 5

- a) Explain why researchers do not generalise Applied Research results. (10 marks)
- b) Identify and explain the five (5) sections of a research report. (10 marks)

*✓ Answer*

QUESTION 6

Assess the importance of good communication when presenting research results.  
(20 marks)

QUESTION 7

Briefly describe the different steps involved in the research process.  
(20 marks)

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