

**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
DIPLOMA IN SECONDARY EDUCATION EXAMINATION**

762

**EDUCATIONAL RESEARCH, MEASUREMENT AND
EVALUATION**

Time: 3 Hours

Year: 2024

Instructions.

1. This paper consists of sections A and B with a total of **Fourteen (14)** questions.
2. Answer **all** questions from section A and **four (4)** questions from section B.
3. Section A carries **forty (40)** marks and section B Carries **sixty (60)** marks.
4. Cellular phones are **note** allowed in the examination room.
5. Write your **examination Number** on every page of your answer booklet(s).

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SECTION A (40 Marks)

Answer **All** questions from this section. Each question carries **four (4)** marks.

1. Describe how the “Frequency” and “Single frequency distribution” methods are applied.
2. Describe the major four characteristics of good quality test items.
3. Explain how to use test-retest method to check the reliability of data.
4. Give four points to agree on the usefulness of the knowledge of educational measurement in the teaching and learning process.
5. Justify the statement by giving four points on the importance of cyclic action research in the teaching and learning process.
6. Explain briefly four types of validity in education.
7. Explain briefly the four major characteristics of research.
8. Classify four techniques for students’ assessment.
9. Explain four uses of the grouped frequency distribution method in processing students’ scores.
10. Construct four possible research titles based on poor academic performance.

SECTION B (60 Marks)

Answer all questions from this question. Each question carries **fifteen (15)** marks.

11. A teacher recorded students’ scores in a Biology test as follows: 70, 55, 60, 73, 65, 58, 69, 65, 58, 70, and 69.
 - (a) Find the mode and comment on the types of the mode obtained.
 - (b) Compute the mean and median of the given scores.
 - (c) Use a T-score to standardise the highest and the lowest scores.
12. Explain six features to adhere to when organising the report.
13. Clarify six points on the importance of carrying out regular assessments to tutors.
14. Give six descriptions that support the statement that the research process is a systematic and overlapping process.