

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

**762 EDUCATIONAL RESEARCH MEASUREMENT AND
EVALUATION**

Time: 3 Hours

Wednesday, 08th May 2019 a.m.

Instructions

1. This paper consists of sections A and B with a total of **sixteen (16)** questions.
2. Answer **all** questions in section A and **four (4)** questions from section B.
3. Question **11** is **compulsory**.
4. Section A carries **forty (40)** marks and section B carries **sixty (60)** marks.
5. Cellular phones and any unauthorized materials are **not** allowed in the examination room.
6. Non-Programmable calculators may be used.
7. Write your **Examination Number** on every page of your answer booklet (s).



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SECTION A (40 Marks)

Answer **all** questions in this section.

1. Give four characteristics of restricted response type of test items.
2. Give four characteristics of a good instrument of measurement.
3. Outline four sources of literature review in research.
4. Briefly describe four qualities of a good research problem.
5. Briefly describe four scales of measurement in education.
6. Briefly explain four differences between assessment and evaluation.
7. Write four principles guiding evaluation of learners' achievement.
8. Briefly explain four physical environmental factors that can affect individual's performance in a test.
9. Outline four steps involved in preparation of a Table of Specifications.
10. (a) Define the term reliability as applied to tests and examinations.
(b) Identify two purposes of validity in testing and assessment.

SECTION B (60 Marks)

Answer **four (4)** questions from this section. Question **11** is compulsory

11. The following scores were obtained in a test involving 12 students.
90, 70, 80, 90, 70, 94, 80, 70, 80, 90, 96, 80
From the scores, find the following:
 - (a) Mode
 - (b) Median
 - (c) Range
 - (d) Mean.
 - (e) Standard Deviation.
12. Account for five reasons of doing literature review in research.

13. Measurement is very crucial for educational administrators. Justify this statement by giving five points.
14. Elaborate five strategies to consider in ensuring test validity.
15. Provide five technical advices on how to construct supply type of test items for effective education assessment.
16. In five points, analyse the usefulness of measurement and evaluation in education.