

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

**762 EDUCATIONAL RESEARCH, MEASUREMENT AND  
EVALUATION**

**Time: 3:00 Hours**

**Wednesday, 09<sup>th</sup> May 2018 a.m.**

**Instructions**

1. This paper consists of section 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 unauthorised 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)



## SECTION A (40 Marks)

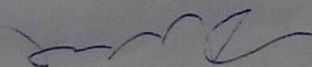
Answer **all** questions in this section

1. Using an example for each, identify two types of educational measurement based on test interpretation.
2. What do you understand by the following concepts?
  - (a) Measurement
  - (b) Educational measurement.
3.
  - (a) What is an action research?
  - (b) Give three areas in which action research can be used in education.
4.
  - (a) Give two types of interview in educational research.
  - (b) Describe three limitations of using interview in educational research.
5.
  - (a) Briefly explain two measures of variability.
  - (b) List down two techniques of standardising test scores.
6. Identify four functions of objective test.
7. Briefly explain four effective uses of anecdotal records in assessing student achievements.
8. Briefly explain four advantages of using table of specifications in test construction.
9. Briefly explain four major qualities of a good test.
10. Distinguish the following measures of dispersion:
  - (a) Range and standard deviation.
  - (b) Variance and standard deviation.

## SECTION B (60 Marks)

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

11. Study the raw scores obtained by ten students in a class of 100 students on test A and B administered by a researcher and answer the questions that follow:



Student's Name	Score in Test A	Score in Test B
Simbomboye	2	3
Mugo	4	5
Kinani	10	10
Magu	9	9
Muturubhani	1	2
Magoke	3	1
Kinye	6	4
Dude	5	7
Mwi'ke	7	6
Kime	8	8

- (a) Using Spearman's Rank Order method, calculate the correlation coefficient between students' performance in the two tests.
- (b) Are the two tests indicating the same student's ability? Give reasons to justify your answer.
12. Analyse five factors affecting subjectivity of a test.
13. Explain five objectives of examinations in Tanzania.
14. Explain five strategies to consider in ensuring test validity.
15. Evaluate five roles of item analysis in curriculum development.
16. Identify five characteristics of norm-referenced measurement.