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: 2018**

Instructions

1. This paper consists of sections **A, B** and **C** with a total of **sixteen (16)** questions**.**

2. Answer **all** questions in section **A,** and **two (2)** questions from each of the sections **B** and **C**.

3. Question **11** is **COMPULSORY.**

4. Section **A** carries **forty (40)** marks , and sections **B** and **C** carry **thirty (30)** marks each.

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).

SECTION A (40 Marks)

Answer **all** questions in this section

1. With examples, the two types of Educational Measurement based on test interpretation.

2. Explain the following Concepts:

   a) Measurement

   b) Educational measurement.

3. (a) Define 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 describe two measures of variability.

   (b) List down two techniques of standardizing test scores.

6. Identify the 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. Provide a brief explanation on the four qualities of a good test.

10. Distinguish between:

    (a) Range and standard deviation,

(b) Variance and standard deviation.

SECTION B (30 Marks)

Answer **two (2)** questions from this section

11. The following table shows the students' performance of the two tests (A and B):

STUDENTS' NAME	SCORES IN TEST A	SCORES IN TEST B
Simbomboye	2	3
Mugo	4	5
Kinani	10	10
Magu	9	9
Muturubhai	1	2
Magoke	3	1
Kinye	6	4
Dude	5	7
Mwike	7	6
Kime	8	8

(a) Calculate the correlation coefficient between students' performance of the two

tests (A and B) by using Spearman's Rank Order Method

(b) Give reasons on whether the two subjects indicate the same students' ability or

Page **3** of **4**

not

12. Analyze five factors affecting subjectivity of a test.

13. Explain five objectives of examinations in Tanzania.

SECTION C (30 Marks)

Answer **two (2)** questions from this section

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.