THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

772 **EDUCATION**

Time: 3 Hour. **Tuesday, 15 May 2007 p.m**

Instructions

1. This paper consists of **seven (7)** questions.
2. Answer **five (5)** questions only.
3. Each question carries **twenty (20)** marks.
4. All communication devices and any unauthorised materials are **not** allowed in the examination room
5. Write your **Examination Number** on every page of your answer booklet(s)

1. (a) Define the term “technical pedagogy.”

   (b) Explain three reasons why technical pedagogy is important in the training of technical teachers.

   (c) Describe four key differences between general pedagogy and technical pedagogy.

2. (a) What is lesson evaluation in technical education?

   (b) Identify four aspects that should be evaluated after a technical lesson is delivered.

   (c) Explain three benefits of conducting lesson evaluations in technical institutions.

3. (a) State five principles of effective teaching in technical and vocational education.

   (b) Describe three factors that influence the selection of teaching methods in vocational training.

4. (a) What is the importance of educational psychology in technical education?

   (b) Describe two learning theories and explain how each can be applied in a vocational training setting.

   (c) Explain three ways in which an understanding of student behavior can improve teaching effectiveness.

5. (a) Differentiate between competency-based training (CBT) and traditional teaching approach.

   (b) Give four characteristics of a competency-based training approach.

   (c) In what ways does CBT improve learner outcomes in technical institutions?

6. (a) What is the role of instructional media in the teaching and learning process?

   (b) Identify and explain three types of instructional media commonly used in technical subjects.

   (c) Give four guidelines for effective use of instructional media in workshop training.

7. (a) Define the concept of educational guidance and counselling.

   (b) Outline three common challenges faced by students in technical colleges that require counselling.

   (c) Propose four strategies a technical teacher can use to support students in overcoming these challenges.