THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

772 **EDUCATION**

Time: 3 Hour. **Tuesday, 13 May 2003 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) What is meant by the term “student-centered learning”?

   (b) Explain three advantages of using student-centered learning in technical and vocational education.

   (c) Describe four challenges a teacher may face when implementing student-centered approaches in large technical classes.

2. (a) Define instructional materials in technical education.

   (b) Identify and explain four qualities of good instructional materials used in workshop-based teaching.

   (c) Give three reasons why some technical teachers underutilize instructional materials during teaching.

3. (a) What is lesson observation in teacher education?

   (b) State three objectives of conducting lesson observation in technical teacher training.

   (c) Describe four aspects to consider when observing a technical lesson.

4. (a) Explain the meaning of “psychomotor domain” in technical learning.

   (b) Mention and explain four levels of skill development under the psychomotor domain.

   (c) How can a technical teacher effectively assess students in the psychomotor domain?

5. (a) Define classroom discipline.

   (b) Identify four causes of indiscipline among students in technical institutions.

   (c) Explain four strategies a teacher can use to maintain discipline in the classroom and workshop.

6. (a) What is meant by “feedback” in the context of teaching and learning?

   (b) Mention and explain three types of feedback used by teachers.

   (c) Describe four principles of giving effective feedback to technical learners.

7. (a) What is meant by the term “scheme of assessment”?

   (b) State and explain three components of a scheme of assessment in technical subjects.

   (c) How does a well-prepared scheme of assessment improve the teaching and learning process?