THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATION COUNCIL

DIPLOMA IN TECHNICAL EDUCATION EXAMINATION

772 **EDUCATION**

Time: 3 Hour. **Tuesday, 14 May 2002 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 “lesson implementation”?

(b) State three reasons why effective lesson implementation is important in technical training.

(c) Describe the following components of lesson implementation:

(i) Introduction.

(ii) Presentation.

(iii) Practice.

(iv) Conclusion.

2. The table below shows a lesson evaluation checklist used in technical institutions:

Aspect Observed	**Yes**	**No**	**Remarks**
Learning objectives were clear			
Instructional aids were used			
Student participation was active			
Safety procedures were followed			

(a) (i) From the table above, explain the importance of using each aspect in evaluating a technical lesson.

(ii) Suggest three improvements a teacher can make when learners show low participation.

(b) What challenges may arise when using evaluation checklists in practical training?

3. (a) What do you understand by “transfer of learning”?

   (b) Explain three types of transfer of learning that are relevant in vocational education.

   (c) Describe four factors that influence positive transfer of learning in technical subjects.

4. (a) What is meant by the term “teacher appraisal”?

   (b) Outline the following components of a technical teacher appraisal process:

      (i) Self-evaluation.

      (ii) Peer review.

      (iii) Supervisor feedback.

      (iv) Performance target setting.

   (c) Give three benefits of teacher appraisal in improving technical education delivery.

5. (a) Differentiate between criterion-referenced assessment and norm-referenced assessment.

   (b) Explain three advantages of using criterion-referenced assessment in workshop-based subjects.

   (c) Describe how assessment methods can be aligned with learning outcomes in technical courses.

6. (a) What is teaching and learning resource planning?

   (b) Identify and explain four key considerations when planning for technical teaching and learning resources.

   (c) Suggest three strategies for maximizing the use of limited workshop resources.

7. (a) Explain the meaning of “professional development” in the context of technical teaching.

   (b) Describe the following avenues for professional development:

      (i) In-service training.

      (ii) Peer learning.

      (iii) Online professional forums.

(iv) Academic upgrading.

(c) Propose four institutional measures that can be taken to support continuous professional development among technical teachers.