

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

772

**EDUCATION**

**Time: 3 Hour.**

**Tuesday, 14 May 2002 p.m**

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**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)

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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.