

THE UNITED REPUBLIC OF TANZANIA  
NATIONAL EXAMINATIONS COUNCIL  
DIPLOMA IN SECONDARY EDUCATION EXAMINATION

750

EDUCATIONAL MEDIA AND TECHNOLOGY

Time: 3 Hours

Thursday, 07 May 2015 p.m.

Instructions

1. This paper consists of section A and B.
2. Answer **all** questions in section A and **four** (4) questions from section B.
3. All writings should be in blue/black ball point pen except for diagrams that must be drawn in pencil.
4. Calculators are **not** allowed in the examination room.
5. Cellular phones are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s).



## SECTION A (40 Marks)

Answer **all** questions in this section.

1. Briefly describe the following terms as they are applied in Educational Media and Technology.  
(a) Media (c) Educational Media and Technology  
(b) Educational Media (d) Multimedia.
2. What role does designing of media play in the teaching and learning process? Give four points.  
*Propose conceptual frame work, Allow teacher to present systematically, make active use of lesson, Help to give environment and reduce, Arouse interest of learners, Help of class*
3. Briefly explain four techniques which can be applied in designing educational media and technology.  
*Plotting, Banana masala, Spraying, Moulding*
4. Outline any four guiding principles of constructing and improvising educational media and technology.  
*Balance, Proportional, Rhythm, Dominance, Unity*
5. (a) Briefly explain the meaning of the following terms  
(i) Animation (ii) Simulation.  
(b) Identify two merits of using television as a teaching and learning resource.
6. Briefly describe four pedagogical considerations which teachers need to consider when using model as a teaching resource.
7. Briefly explain four guidelines which teachers can use in evaluating text books and reference books.
8. Briefly describe four challenges which the teacher may encounter during the use of audio media for classroom instruction.
9. Briefly outline four steps which can be considered in developing a user manual.
10. Identify four advantages of tape recording in the teaching and learning process.

## SECTION B (60 Marks)

Answer **four** (4) questions from this section.

11. With examples, explain how modern media encourage active participation and learning by doing. (Give five points).

12. Elaborate five significances of recycling materials to generate teaching and learning resources.
13. Describe five factors that make teachers opt to improvise teaching and learning materials.
14. Examine five general guidelines for conducting construction activities in the classroom during teaching and learning process.
15. Explain five broad functions that educational media and technology play in the teaching and learning processes.
16. Examine the rules which teachers should consider when planning for a presentation that involves the inclusion of graphics.
17. Elaborate five criteria which can be used in the selection of instruction materials.
18. Identify five fundamental factors which may affect durability of instructional media when environmental conservation issues are ignored. -
  - \* Understand the system/mechanics
  - \* understand customer/learner, age
  - \* Note important concepts only