THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 1999**

INSTRUCTIONS

1. This paper consists of sections **A**, **B** and **C.**
2. Answer **all** questions in sections A and **two (2)** questions from each sections B and C.
3. Section A carries 40 marks, section B and C carry 30 marks.
4. Cellular phones and unauthorized materials are **not** allowed in the examination room.
5. Write your **Examination Number** on every page of your answer **booklet(s).**

SECTION A (40 Marks)

Answer all questions from this section

1. State four ways in which ICT can be used to improve classroom management.
2. Mention four examples of operating systems used in computers.
3. List four advantages of using electronic databases over manual filing systems.
4. Explain four signs that show a computer is infected with malware.
5. Give four differences between RAM and ROM.
6. Outline four benefits of using a word processor in preparing teaching materials.
7. State four limitations of using oral communication in teaching and learning.
8. Mention four ways ICT contributes to improving health services.
9. Give four advantages of using wireless communication in schools.
10. List four possible causes of slow internet connection in a computer laboratory.

SECTION B (30 Marks)

Answer any two questions from this section

11. Discuss five challenges that teachers face when integrating ICT into the teaching and learning process.
12. Explain five advantages of using spreadsheets in preparing students' examination results.
13. Describe five measures that can be taken to protect sensitive school data from hackers.
14. Analyse five contributions of ICT in promoting socio-economic development in rural communities.

SECTION C (30 Marks)

Answer any two questions from this section

15. Critically evaluate how dependency on ICT tools by teachers can both enhance and hinder effective teaching. Provide five arguments to support your analysis.

16. With examples, justify five ways in which poor ICT infrastructure limits the effectiveness of digital learning in developing countries.

17. Explain five drawbacks of over-reliance on social media as a primary means of communication in schools and society.

18. Assess the importance of information in decision-making processes by community leaders, giving five points with practical illustrations.