THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 2006**

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. List four uses of ICT in transportation systems.
2. Mention four differences between RAM and ROM.
3. Give four examples of utility software.
4. State four advantages of online learning platforms.
5. Mention four disadvantages of e-waste.
6. List four ICT tools that enhance collaborative learning.
7. Outline four functions of Management Information Systems (MIS).
8. Mention four challenges of using biometric systems.
9. State four benefits of using ICT in commerce.
10. Give four reasons why ICT literacy should be taught from early childhood.

SECTION B (30 Marks)

Answer any two questions from this section

11. Explain five challenges of implementing e-government systems in Africa.
12. Discuss five ways ICT improves research and innovation.
13. Explain five measures of ensuring cybersecurity in organizations.
14. Analyse five roles of ICT in tourism and hospitality.

SECTION C (30 Marks)

Answer any two questions from this section

15. Critically evaluate five impacts of ICT on freedom of expression.

16. Assess five contributions of ICT in bridging gender gaps in education.

17. With practical examples, analyse five negative effects of overreliance on ICT in workplaces.

18. Justify five reasons why ICT policies are necessary for national growth.