THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 2011**

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 in this section. Each question carries 4 marks.

1. State four advantages of using computer networks in a school environment.
2. Mention four characteristics of reliable information.
3. Outline four differences between application software and system software.
4. Explain four factors to consider when purchasing a new computer for school use.
5. List four common causes of computer system failure.
6. Describe four uses of ICT in health services.
7. State four benefits of using presentation software in teaching.
8. Mention four challenges of implementing ICT in rural schools.
9. Give four security threats that can affect computer systems in an organization.
10. Explain four ways ICT can support agricultural development in Tanzania.

SECTION B (30 Marks)

Answer any two questions from this section. Each question carries 15 marks.

11. Discuss five advantages of using cloud storage in schools for storing students' academic records.
12. With examples, explain five roles of ICT in promoting e-commerce in Tanzania.
13. Analyse five problems faced by schools in integrating ICT into the teaching and learning process.

SECTION C (30 Marks)

Answer any two questions from this section. Each question carries 15 marks.

14. "ICT is a key driver of globalization." Justify this statement by giving six points.

15. Discuss six negative impacts of ICT misuse among youths in Tanzania and suggest possible solutions.

16. Assess six ways in which ICT can contribute to the achievement of sustainable development goals (SDGs) in developing countries.