THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 2014**

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. Give four disadvantages of using social media platforms as the main channel for student communication in schools.
2. Mention four ways in which lack of ICT facilities may negatively affect students' academic performance.
3. State four differences between using printed textbooks and digital e-books in the teaching and learning process.
4. Outline four reasons why schools should enforce computer ethics among students.
5. List four common causes of data loss in school computer laboratories.
6. Give four ways ICT can improve collaboration among students working on group assignments.
7. State four challenges teachers face when relying on PowerPoint presentations for teaching.
8. Mention four reasons why ICT-based examinations may be more effective than paper-based examinations.
9. List four risks of students relying heavily on Google for their academic research.
10. State four reasons why maintaining ICT equipment is critical for sustainable learning in schools.

SECTION B (30 Marks)

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

11. Discuss five ways ICT can reduce administrative workload for teachers and improve classroom management.
12. Analyse five challenges schools encounter when trying to integrate ICT into science subjects.
13. Evaluate five reasons why digital literacy among students is essential for academic success in the 21st century.

SECTION C (30 Marks)

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

14. “ICT has changed the role of a teacher from being the sole source of knowledge to a facilitator of learning.” With six points, assess this statement in the context of Tanzanian schools.

15. Examine six dangers of students misusing ICT in schools and propose solutions that teachers and administrators can apply.

16. Assess six ways in which ICT can bridge the gap between urban and rural schools in terms of quality of education.