THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 2013**

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 students may face if a school relies only on oral communication to pass important academic instructions.
2. Mention four reasons why teachers need to install and update operating systems in computers used for teaching.
3. Explain four ways word processing software can improve preparation of teaching and learning materials in schools.
4. List four challenges students may encounter when using wireless internet for academic purposes in schools.
5. State four possible reasons why a school printer may fail to produce examination papers when urgently needed.
6. Give four signs that a computer in the school lab is infected with a virus and may affect student files.
7. Mention four reasons why spreadsheets are more effective than manual methods in preparing student performance reports.
8. State four advantages of using ICT to collect both primary and secondary data in educational research.
9. Explain four problems students may face when relying only on the internet for doing their assignments.
10. Mention four disadvantages of electronic communication among students in a learning environment.

SECTION B (30 Marks)

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

11. Discuss five ways in which ICT can enhance the teaching and learning process in secondary schools.
12. Analyse five challenges that schools face in protecting student information stored in computer systems.
13. Evaluate five reasons why lack of ICT skills among teachers affects the quality of education in Tanzania.

SECTION C (30 Marks)

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

14. "ICT has revolutionized the preparation, administration, and marking of examinations in schools." With six points, justify this statement.

15. Examine six challenges students face when using ICT for learning and propose practical solutions that schools can implement.

16. Assess six ways in which ICT can be used to improve the relationship between teachers, students, and parents in modern schools.