THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL

GRADE A TEACHERS' CERTIFICATE EXAMINATION

635 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours. **Year: 2010**

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. Mention four disadvantages of relying only on internet resources for classroom teaching.
2. State four functions of an operating system in a computer.
3. Describe four reasons why spreadsheets are important in preparing school financial records.
4. Give four differences between primary and secondary sources of information.
5. State four signs that may indicate a computer is infected with a virus.
6. Outline four ways in which ICT can improve communication in rural areas.
7. Explain four disadvantages of oral communication in managing school activities.
8. List four advantages of using wireless technology in a school environment.
9. Mention four challenges associated with using fiber optic cabling in schools.
10. State four possible reasons for a printer connected to a computer failing to print.

SECTION B (30 Marks)

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

11. Discuss five socio-economic benefits that communities gain from the development of ICT.
12. Explain five possible measures that can be taken by schools to secure their computers against hackers.
13. Analyse five drawbacks of using e-mails as a primary means of communication in an educational institution.

SECTION C (30 Marks)

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

14. “The growth of ICT has transformed the education sector in Tanzania.” Justify this statement by giving six points.

15. Information is regarded as a strategic resource for national development. Discuss six reasons why effective access to information is crucial for developing countries.

16. ICT innovations have brought both opportunities and challenges to cultural values in Tanzania. With six points, assess the extent to which ICT has influenced culture positively and negatively.