

THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL DIPLOMA IN SECONDARY EDUCATION EXAMINATION

INFORMATION AND COMMUNICATION TECHNOLOGY

738 Time: 3 Hours Friday, 06 May 2016 p.m.

Instructions

This paper consists of sections A, B and C.

Answer all questions in section A and two (2) questions in each of the sections B and C.

All writings should be in blue/black ball point pen except for diagrams that must be drawn in pencil.

Calculators are not a

n the examination room.

Cellular phones are allowed in the examination room.

Write your Examination Number on every page of your answer booklet(s).

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SECTION A (30 Marks)
the section of this section.
Answer all questions
lain any three principles of
Briefly explain as used in computing:
Briefly explain any three partial and three part
2. Explain (a) Swapping (b) Swapping (c) Identify three applications of word processing programs to the classroom teacher. 3. Identify three applications of word processing programs to the classroom teacher.
Identify three applications of the that are involved in the inc
3. Identify three apps 3. Briefly describe the major components that are involved in the information dissense.
Briefly describe the major components that are intermation dissernation dissernatio
of the following in spreadsheets application software:
Determine the use of the following in operation (b) Standard tool Bar (c) Menu bar.
(a) Title bar (bar veing presentation software such as Power D.
6. Identify three advantages of using presentation software such as PowerPoint during process.
teaching and learning pro-
Briefly elaborate the functions of the following in database management systems: (b) Forms (c) Queries
(a) Tables
8. Distinguish operating system software from application software.
9. (a) Describe the term "Computer user interface" as used in computing.
(b) Explain the two types of computer user interface.
10. Differentiate the following terms as used in databases.
10. Differentiate the following terms as used in database and Relational Database.
SECTION B (30 Marks)
Answer two (02) questions from this section.
Justify the contention that "the functionality of computer networks depends on the computer network topology".
12. Analyze five challenges that affect internet connections in secondary schools in Tanzania
Discuss the role of each element in the computer system development life cycle.
14. Evaluate the significance of multi-
14. Evaluate the significance of multimedia in the teaching and learning process in the Tamb
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SECTION C (40 Marks)

Answer two (02) questions from this section.

- 15. Elaborate six reasons that justify the significance of teaching and learning Information and Computer Studies (ICS) pedagogy in Teachers' Collages in Tanzania.
- Examine six purposes of keeping test records in secondary school in Tanzania.
- 17. Evaluate the essence for teachers to prepare schemes of work before they begin teaching.
- 18. Why it is important for the ICS teacher to use teaching aids in his/her lesson. Substantiate your answer by giving six reasons.