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

738 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours **Thursday, 10th May 2018 p.m.**

Instructions

1. This paper consists of sections A, B and C with a total of **sixteen (16)** questions.
2. Answer **all** questions in section A and **two** (2) questions from each of the sections B and C.
3. Section A carries **forty (40)** marks and sections B and C carry **thirty (30)** marks each.
4. Read each question carefully before you start answering it.
5. Cellular phones, calculators and any unauthorized materials are **not** allowed in the examination room.
6. Write your **Examination Number** on every page of your answer booklet(s).





SECTION A (40 Marks)

Answer **all** questions in this section.

1. Briefly explain the meaning of each of the following terms as used in Information and Communication Technology (ICT):
   (a) Data
   (b) Knowledge
   (c) Information

2. (a) What is computer application software?
   (b) Briefly explain three application soft wares used in Tanzania schools during teaching and learning process.

3. Explain the following terms as World Wide Web is concerned.
   (a) Hypertext
   (b) Hypermedia
   (c) Hyperlinks

4. Briefly explain the first three generations of computers.

5. (a) What is multimedia?
   (b) Give the differences between linear multimedia and non-linear multimedia.

6. Briefly explain three characteristics of a computer.

7. Give the meaning of the following terms:
   (a) Job creation
   (b) Job replacement
   (c) Job displacement

8. Describe three types of computers based on their capacity, price and performance.

9. Elaborate the following terms as used in Information and Communication Technology.
   (a) Information and Communication Technology
   (b) Information Technology
   (c) Local Area Network

10. Briefly explain the following terms:
    (a) Spread sheet
    (b) Database
    (c) Internet

SECTION B (30 Marks)

Answer **two (2)** questions from this section.

11. Explain five advantages of having a computer network in Tanzania teachers' colleges.

12. Analyze two sources of information used by our fore fathers and three sources of information used by modern generation.

13. Using database in keeping college data is inevitable in this Information and Communication Technology world. Discuss five advantages of using electronic database over the tradition way of keeping data at your college.

SECTION C (30 Marks)

Answer **two (2)** questions from this section.

14. Elaborate five factors that teachers must consider when selecting a teaching strategy.

15. Analyze five factors to consider when setting new computer laboratory in a school.

16. Assessing students' achievement in teaching and learning at any level of education is very important. Explain any five assessment tools used to assess student achievement in secondary schools in Tanzania.