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

738 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours **Thursday, 09th May 2019 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. Cellular phones, calculators and any unauthorized materials are **not** allowed in the examination room.
5. Write your **Examination Number** on every page of your answer booklet(s).

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SECTION A (40 Marks)

Answer **all** questions in this section.

1. (a) Define the term "Source of Information".

   (b) Outline three categories of sources of information.

2. (a) What is a star topology?

   (b) Give three advantages of star topology as far as computer networks are concerned.

3. (a) What is a word processor document?

   (b) List the steps to be followed in opening a new Microsoft word document.

4. Briefly explain the following terms as used in computer programming:

   (a) Algorithm

   (b) Pseudo code

   (c) Source code

5. Give the distinction between the following terms as used in website development context:

   (a) Web page and Web site

   (b) HTML and Web Browser

6. Explain three uses of ICT in education sector. Give an example in each case.

7. (a) What is multimedia?

   (b) Give two differences between linear multimedia and non-linear multimedia.

8. Briefly explain the two main parts of a computer. Give two examples in each part.

9. Outline three ways on how computer viruses can be spread.

10. Describe four advantages of Information and Communication Technology in business.

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SECTION B (30 Marks)

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

11. With examples, examine five areas where ICT is applied.

12. Use five reasons to justify the notion that, the usage of computers in offices is better than using other means of writing, processing and keeping information.

13. In developing a program, programming language is to be used. However there are some factors to consider in selecting a programming language to use in preparing a certain program. Justify this statement by giving five points.

SECTION C (30 Marks)

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

14. Analyze five computer laboratory safety regulations.

15. Explain three advantages and two disadvantages of using essay test items in an examination.

16. Describe five equipments used for ICS data back-ups.

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