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

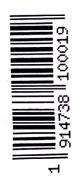
738 INFORMATION AND COMMUNICATION TECHNOLOGY

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).





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.