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

738 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours **Year: 2020**

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 and any unauthorised 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. Why electronic mail are mostly preferred than traditional mail in sending a message? Explain by giving four reasons.

2. Using two points, distinguish internal storage of a computer from external storage devices.

3. Describe four applications of Information and Communication Technology in the education sector.

4. Briefly describe the importance of each of the following in the computer system:
   (a) Computer hardware
   (b) Computer software

5. Differentiate electronic database from the traditional database.

6. How can students cause damage in a computer laboratory? Briefly explain four ways.

7. Computers can cause health problems to users. Explain four health problems and their prevention methods.

8. What are the advantages of using each of the following types of computer network architecture?
   (a) Pear-to-Pear
   (b) Client-Server

9. Write the HTML codes to create a webpage showing the following information:
   (a) Page title: Website Design.
   (b) Heading 1: Ministry of Education Science and Technology.
   (c) One paragraph carrying the following information:
   "The Ministry of Education, Science and Technology head office has shifted from Dar es Salaam to Dodoma".

10. Differentiate the following activities done in an application software:
    (a) Selecting a text and cutting a text
    (b) Copying a text and pasting a text

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SECTION B (30 Marks)

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

11. What is the importance of using multimedia in the teaching and learning process in secondary schools? Explain giving five points.

12. Elaborate five uses of Spread sheet application in the society.

13. The introduction of social networks has brought some drawbacks to the society. Justify this statement using five points.

SECTION C (30 Marks)

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

14. Elaborate five assessment tools that can be used in assessing Information and Computer Studies in secondary schools.

15. The introduction of information and communication Technology has improved services in various areas in the society. Using five points, explain how banking services have been improved?

16. Using five points, describe the criteria used in selecting a teaching method.

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