THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL OF TANZANIA

DIPLOMA IN SECONDARY EDUCATION EXAMINATION

738 INFORMATION AND COMMUNICATION TECHNOLOGY

Time: 3 Hours **Year: 2021**

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 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. Describe briefly two advantages of using Information and Communication Technology in each of the following areas:
   (a) Business
   (b) Government.
2. Describe briefly the importance of some elements of multimedia i.e. text, video, graphics and sound in the teaching and learning process
3. Differentiate the terms as used in Information and Communication Technology;
   a) Hypertext Transfer Protocol and File Transfer Protocol and
   b) Network News Transfer Protocol and Transmission Control Protocol.
4. Show how good slides can be prepared in the PowerPoint presentation by giving four points.
5. Write the functions of the following shortcut keys as used in computer application software such as Microsoft Word:
   (a) CTRL+P
   (b) CTRL+A
   (c) CTRL+C
   (d) CTRL+V.
6. How are the following network devices differ in transportation of data from the source to the destination computers?
   a) Hub and Switch,
   b) Bridge and Router.
7. Explain why people prefer using modern media for information dissemination rather than the traditional media by giving two points.
8. Elaborate the differences between teacher's manual and teacher's guide.
9. Analyse four disadvantages of using mobile phones rather than desktop computer in

accessing the internet.

10. Dsescribe four basic requirements for printing a text document which is already prepared in a computer.

SECTION B (30 Marks)

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

11. Analyse five functions of the operating system in a desktop computer.
12. Justify the view that multimedia is a useful tool in different sectors of the societies by explaining the application of multimedia in any five sectors.
13. Describe five factors to consider when selecting a programming language.

SECTION C (30 Marks)

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

14. Elaborate five criteria to consider when choosing the best textbooks.
15. Explain five factors to consider in the computer laboratory set up in order to make the laboratory user friendly to students and teachers.
16. Analyse three advantages and two limitations of using objective test for assessing Information and Communication Studies.