

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/02/6

Install Computer Software

November / December 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

WRITTEN ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE.

1. The paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A and **ANY THREE** (3) questions in section B
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet
5. Do not write on this question paper.

This paper consists of THREE (3) printed pages
Candidates should check the question paper to ascertain that all pages
are printed as indicated and that no questions are missing.

SECTION A (40 MARKS)

Answer ALL the questions in this section

1. Define the following terms as used in computer software installation.
 - i. kernel (2 marks)
 - ii. Installation manual. (2 marks)
2. A computer user requires software to perform different tasks. Outline THREE methods through which the user can acquire software. (3 marks)
3. A computer technician acquired software which was accompanied with a technical documentation. Mention THREE importance of the documentation. (3 marks)
4. Computer software is not functioning appropriately after installation due to lack of maintenance. Identify FOUR benefits to be achieved by carrying out the software maintenance. (4 marks)
5. Outline **FOUR** user administration activities as used in computer operating systems. (4 marks)
6. An operating system is a program that manages computer resources. Outline THREE functions of the operating system that enable the computer to perform specific functions. (3 marks)
7. A learning institution has been advised to upgrade software after every six months. Mention THREE factors it should consider before performing the upgrade. (3 marks)
8. Multithreading is important in the modern developed single processor and multiprocessor of computer. Identify FOUR benefits of multithreaded programming. (4 marks)
9. Software piracy is a major challenge in the digital space. Identify THREE ways in which software piracy can be minimized. (3 marks)
10. As a computer user, identify FOUR factors that can prompt one to change the password of a computer. (4 marks)
11. Software's enables the computer to perform specific tasks. Mention TWO main categories of software's. (2 marks)
12. A student wants to install an operating system on a computer. Outline THREE installation media that he will use during installation. (3 marks)

SECTION B (60 MARKS)

Answer any THREE questions in this section

14. a) Outline EIGHT steps of installing software using a USB flash disk. (8 marks)
- b) Explain FOUR types of software testing techniques that a technician would apply when checking the functionality of the software. (8 marks)
- c) Security testing focuses on identifying weaknesses in a software system to ensure it is resistant to potential security threats and attacks. Describe TWO types of security testing. (4 marks)
15. a) Software documentation plays a critical role in helping developers and users understand effectively how software works. Describe FOUR categories of software documentation that provide information on software as an end product. (8 marks)
- b) Outline EIGHT steps that a student can follow to prepare a software test report. (8 marks)
- c) Discuss TWO key qualities that software should possess to be considered suitable for deployment in an organization. (4 marks)
16. a) Describe the steps involved in making process software passes through prior to installation on a comp (12 marks)
- b) Software user manual enables t derstand how the software works. Outline the steps involved in developing a user manual. (8 marks)
17. a) The figure below shows an installation media. Use it to ask the questions that follow.



- i. Explain FOUR methods of software installation that can be carried out using this media. (8 marks)
- b) A computer technician at Tah High School intends install Microsoft office in a given computer. Describe the procedure to install the software. (8 marks)
- c) Describe TWO ways in which each of the following software testing is done.
- i. White box testing. (2 marks)
- ii. Black box testing. (2 marks)