

061005T4ICT

ICT TECHNICIAN LEVEL 5

IT/OS/ICT/CR/6/5

MANAGE OPERATING SYSTEM

NOV/ DEC 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper has THREE sections: A, B and C. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

This paper consists of 7 printed pages

**Candidate should check the question paper to ascertain that all the pages are printed
as indicated and that no questions are missing.**

SECTION A: 20 MARKS

Answer ALL questions in this section.

1. Which of the following represents a significant milestone in the evolution of operating systems?
 - A. Release of Microsoft Office
 - B. Introduction of the first personal computer
 - C. Development of the World Wide Web
 - D. Invention of the transistor
2. The client-server model in operating systems is commonly associated with
 - A. Monolithic structures
 - B. Real-time operating systems
 - C. Distributed computing
 - D. Mainframe computers
3. The operating system structure that is known for having all operating system services and functionalities in a single program is known as
 - A. Monolithic
 - B. Layered
 - C. Virtual
 - D. Client-server model
4. Enumerate one type of operating system that is designed for resource-constrained devices like smartphones and IoT devices.
 - A. Mainframe OS
 - B. Mobile OS
 - C. Desktop OS
 - D. Server OS
5. The component of the operating system that manages the essential functions and interacts directly with the hardware
 - A. Shell
 - B. System call
 - C. Kernel
 - D. Object file
6. _____ is the function of an operating system that is responsible for process management, memory management and file system management.