

061004T4ICT

ICT TECHNICIAN LEVEL 4

IT/OS/ICTA/CR/01/4/A

USE OF ICT DEVICES

NOV/DEC 2023



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

PRACTICAL ASSESSMENT

Time: 2 Hours

INSTRUCTIONS TO CANDIDATE

- i. You are required to perform the following task on Word processing
- ii. The **TASK** carries **50 Marks**.

TASK: Word Processing

- (a) Using a suitable MS Word processing package, type the passage below as it appears and save it as *Word Processing*.

Processing Management

P*rocess management* entails creating and deleting processes and also providing mechanisms for processes to communicate and synchronize with each other in a computer system. A process therefore can be referred to as a job or the fundamental unit of work in an operating system. A job is simply a sequence of single programs. Interestingly the term ‘program’ and ‘job’ are used interchangeably. According to (Stallings, 2014), a thread is referred to as a unit of dispatch or a lightweight process. On the other hand, a process or a task is referred to as the unit of resource ownership

Process Control Block

For an OS to implement and control processes it requires some	attributes associated with the process. These attributes are stored in a data structure called Process Control Block (PCB) also referred to as	process descriptor. The collection of user program, stack, data section and the attributes form a process image.
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Whenever a process is created in the computer system the PCB is created too since it holds all information about the process needed for its control.

The PCB contains: -

- ✧ *Process state.*
- ✧ *Stack*
- ✧ *CPU registers*
- ✧ *CPU scheduling information*
- ✧ *Program counter*
- ✧ *Memory management information.*