TEVETA

Technical Education, Vocational and Entrepreneurship Training Authority

LEVEL 5 CERTIFICATE IN AUTOMOTIVE HEAVY EQUIPMENT

ENGINEERING/AUTOMOTIVE ELECTRICAL & ELECTRONICS

LEVEL 5 YEAR I EXAMINATIONS

FINAL INTEGRATED SUMMATIVE EXAMINATIONS

SITTING: APRIL/MAY 2026

SUBJECT: INTRODUCTION TO COMPUTERS (THEORY)

TIME: THREE (3) HOURS **TOTAL MARKS: 100**

PASS MARKS: 50

INSTRUCTIONS TO CANDIDATE

1. Write your examination number and National Registration Card Number on the answer booklet provided. Ensure you append your signature in the space provided on the answer booklet.
2. Write the ANSWER SCRIPT SERIAL NUMBER on the examination register and on the entry slip.
3. There are seven (7) questions in the papers.
4. Answer five (5) questions. Question One (1) is compulsory and choose any other four (4) questions.
5. All questions carry equal marks.
6. Cell phones and programmable calculators are NOT allowed in the

DO NOT TURN THIS PAPER UNTIL YOU ARE TOLD TO DO SO

QUESTION 1 - COMPULSORY

State who I am:

a) I am a specialized type of software designed to perform a specific task for the user, such as word processing or browse the internet. Who am I?

b) I am the smallest unit of digital information, represented by either a 0 or a 1. Who, am I?

c) I am a group of eight bits, commonly used to represent a single character or a small piece of data. Who am I?

d) I am the process of putting data into a computer system. Who am I?

e) I am the process of getting data out of a computer system in a usable form. Who am I?

f) I am a set of rules that govern how data is transmitted and received over a network. Who am I?

g) I am the process of saving data to a permanent storage device. Who am I?

h) I am a type of computer typically designed for individual use, ranging from desktops to laptops. Who am I?

i) I am a collection of interconnected computers and devices that can share resources and information. Who am I?

j) I am the numerical address that uniquely identifies a device on a network. Who am I?

TOTAL: 20 MARKS

QUESTION 2

a) Identify one (1) device that performs both input and output functions. Explain how it serves both roles. (5 marks)

b) Describe how computer mice have evolved from their earlier designs to modern versions. What key improvement made newer mice better for users? (7 marks)

c) What is "haptic feedback"? Give a simple example of a device where you might experience haptic feedback. (4 marks)

d) Consider the widespread use of touch-enabled devices (like smartphones). What are two (2) significant advantages of these devices compared to older non-touch devices, and what is one potential disadvantage? (4 marks)

TOTAL: 20 MARKS

QUESTION 3

a) Many portable devices use a type of semiconductor memory. State one (1) common type such memory used in devices like cameras or smartphones. Explain why these are suitable for portable devices. (5 marks)

b) Compare the characteristics of a USB flash drive and an external hard drive. When would you choose one over the other for transferring large files? (7 marks)

c) What does it mean for data to be "non-volatile" in the context of storage? Give an example of a non-volatile storage device. (4 marks)

d) Over time, storage devices have become much smaller in physical size and larger in storage size. Discuss how this improvement in storage technology has impacted the design and capabilities of modern computers and mobile devices. (4 marks)

TOTAL: 20 MARKS

BA

QUESTION 4

a) What is the main purpose of a "PowerPoint presentation" or similar presentation software? (5 marks)

b) Describe the basic steps you would take to create a simple PowerPoint presentation. (8 marks)

c) When delivering a "project presentation," why is it important to consider elements like web page addresses, search engines, or links? (7 marks)

TOTAL: 20 MARKS

QUESTION 5

a) Describe the correct steps to switch a computer ON and OFF. What is the purpose of logging in to a computer system? (5 marks)

b) Identify two (2) basic elements of a personal computer. Explain why it's important to be able to identify these elements. (5 marks)

c) When handling removable devices like a USB drive or a CD, what is a key procedure you must follow to ensure they are handled correctly and safely? (5 marks)

d) Explain two (2) basic maintenance procedures for a personal computer (e.g., servicing or cleaning). Why is regular maintenance important for a computer? (5 marks)

TOTAL: 20 MARKS

QUESTION 6

What do the following acronyms stand for:

a) PDF (2 marks)
b) RAM (2 marks)
c) HTTP (2 marks)
d) PNG (2 marks)
e) ROM (2 marks)
f) MB (2 marks)
g) ISP (2 marks)
h) GPS (2 marks)
i) BIOS (2 marks)
j) CMOS (2 marks)

TOTAL: 20 MARKS

35

QUESTION 7

Define the following terminologies:

a) Hardware (2 marks)
b) Software (2 marks)
c) Operating System (2 marks)
d) Application Software (2 marks)
e) System Software (2 marks)
f) Input Device (2 marks)
g) Output Device (2 marks)
h) Storage Device (2 marks)
i) Central Processing Unit (CPU) (2 marks)
j) Random Access Memory (RAM) (2 marks)

TOTAL: 20 MARKS