

FINAL SEMESTER EXAMINATION

Programme	:	DIPLOMA IN BUSINESS STUDIES/ DIPLOMA IN LOGISTICS MANAGEMENT/ DIPLOMA OF ACCOUNTANCY
Course	:	DTCT3013
Course Code	:	COMPUTER APPLICATION
Duration	:	3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Please read the instructions given in the question paper **CAREFULLY**.
2. This question paper consists of **FOUR (4)** questions
3. Answer **ALL** questions in the question paper.
4. Answers to the questions are to be written into the examination booklet.
5. Electronic dictionaries, lecture notes, files or any unauthorised materials except writing equipment are strictly prohibited.

This question paper must be submitted along with all used and/or unused rough papers and/ or graph papers (if any). Candidates are **NOT ALLOWED** to take any examination paper(s) used or unused out of the examination hall.

WARNING:

The Examination Board of Peninsula College Georgetown regards cheating as a very serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in the accordance with the clauses stipulated in the Students' Handbook, up to and including expulsion from Peninsula College Georgetown.

(This booklet contains 3 printed pages including this page)

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ALLOWED TO DO SO

For examiner's use only

QUESTION NO.	MARKS
1	/ 25
2	/ 25
3	/ 25
4	/ 25
Total	/ 100

Answer **ALL** questions on the separate sheet provided.

[100 marks]

1. Your brother is going to start his studies in a private college starting January 2023. Your parents have given you the task to decide a personal computer for your brother's study purposes.

a) List down **THREE (3)** types of personal computer available. (3 marks)

b) Explain which personal computer will be your choice for your brother based on the scenario above (4 marks)

c) Identify **SIX (6)** main hardware that you need to consider when you are buying a personal computer. (12 marks)

d) Compare the **THREE (3)** available Operating System (OS) software listed below and decide which OS would you choose to be installed on your personal computer.

- Ubuntu
- Windows
- macOS

(6 marks)

Total: [25 marks]

2. a) Explain what the motherboard and its function is. (6 marks)

b) Explain the function of a computer CPU and list down **TWO (2)** companies that produce computer CPUs. (5 marks)

c) Compare **FOUR (4)** differences between volatile memory and non-volatile memory with their definitions, functions and example. (8 marks)

d) How do computers represent data? (6 marks)

Total: [25 marks]

3. a) Define computer network and **THREE (3)** reasons to use a computer network.
(8 marks)

b) Identify the difference between the **THREE (3)** networks below:

- I. LAN:
- II. MAN:
- III. WAN:

(9 marks)

c) Define the following terms:

- I. The Internet
- II. The Web
- III. Websites
- IV. Webpage

(8 marks)

Total: [25 marks]

4. a) What is the **THREE (3)** advantage and **TWO (2)** disadvantages of an open-source software?
(10 marks)

b) As a student, explain when you need to use the following software and list down **TWO (2)** functions for each software:

- I. Microsoft Word
- II. Microsoft PowerPoint
- III. Microsoft Excel

(15 marks)

Total: [25 marks]

- END OF QUESTIONS -