



FINAL EXAMINATION

Semester	:	JANUARY 2025 SEMESTER
Programme Name	:	DIPLOMA IN E – BUSINESS TECHNOLOGY DIPLOMA OF ACCOUNTANCY
Course Code & Name	:	DEB2333 DTIS4013 MANAGEMENT INFORMATION SYSTEM
Duration	:	3 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Please read the instructions given in the question paper **CAREFULLY**.
2. The 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

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

[100 marks]

1. a) State **THREE (3)** important roles of Information System in Business. (6 marks)
 - b) Identify the function of ERP system and **TWO (2)** examples of ERP system. (4 marks)
 - c) Describe **THREE (3)** types of testing used in System Development Life Cycle (SDLC) to ensure accurate results. (9 marks)
 - d) Determine **TWO (2)** Porter's Competitive Forces Model. (6 marks)
- Total: [25 marks]
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2. a) State the definition of DBMS and **THREE (3)** uses of DBMS. (8 marks)
 - b) List **THREE (3)** important tasks that can be done using DBMS. (3 marks)
 - c) Provide the **THREE (3)** characterization of Big Data and **ONE (1)** example of big data. (4 marks)
 - d) Determine **FIVE (5)** challenges encountered by organizations while handling Big Data. (10 marks)
- Total: [25 marks]
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3. a) Compare the Internet, intranet, and extranet in terms of the objective, accessibility and data security. (9 marks)
 - b) Briefly describe **THREE (3)** important dimensions of knowledge. (12 marks)

3. c) Explain the following terms:
- i) Unstructured decisions (2 marks)
 - ii) Semi – structured decisions (2 marks)
- Total: [25 marks]
4. a) Identify the suitable categories of malicious software for the following description.
- i) Malicious software which replicates themselves and become the cause of slowing down the system especially by destroying the resources and the time comes when system is crashed. (1 mark)
 - ii) Works like a timer and triggers off when the time strikes on a particular date. (1 mark)
- b) Give **FIVE (5)** cases of cybercrime that can be happen in society nowadays. (10 marks)
- c) Discuss **THREE (3)** roles of firewall screening in preventing cyber threats. (6 marks)
- d) List **THREE (3)** advantages of security mechanisms. (3 marks)
- e) Determine **TWO (2)** potential benefits of cybersecurity for individual and country. (4 marks)
- Total: [25 marks]

- END OF QUESTIONS -