

## TAKE HOME EXAMINATION

**Student NRIC** : \_\_\_\_\_

**Student ID** : \_\_\_\_\_

**Programme** : **Diploma in E-Business Technology (MQA/PA13807)/ Diploma in Computer Science (MQA/PA13808)**  
**Intake** : **MAY 2021**  
**Course** : **INTRODUCTION TO INFORMATION TECHNOLOGY AND APPLICATIONS**  
**Course Code** : **DEB1123/ DCS1113**  
**Duration** : **(3 hours)**

### INSTRUCTIONS TO CANDIDATES:

1. Please read the instructions given in the question paper **CAREFULLY**.
2. Answer all **FOUR (4)** questions.
3. Answers to the questions are to be written into own A4 sized papers.
4. Please write your student ID number on every page of your answer script. **Do NOT** write your name.
5. Please write page number on every page of your answer script.
6. Please **KEEP** the hardcopy of your answer script.
7. 1 mark will be deducted for every minute delay in submission after the 20 minutes lapse with maximum of 10 minutes delay is allowed.

### WARNING:

The Examination Board of Peninsula College Georgetown regards cheating as a most 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 FOUR (4)** questions on the separate sheet provided.

**[100 marks]**

1. a) List down **FIVE (5)** different types of computers. (5 Marks)
- b) Briefly describe **FIVE (5)** basic Operating System (OS) functions. (10 Marks)
- c) Imagine yourself as a grocery business owner, give **FOUR (4)** ideas on how you can use computers to facilitate your business. (10 Marks)
2. a) Describe the function of Management Information System. (5 Marks)
- b) Explain **FOUR (4)** differences of the Management information system and Decision Support System. (10 Marks)
- c) Construct a diagram to show the organizational levels and the information system required at each level. Explain your diagram. (10 Marks)
3. a) Many often confused about the function of a Router and Modem. Describe the differences between these two devices. (5 Marks)
- b) Describe **FOUR (4)** types of internet connection and justify which of them is the fastest connection. (10 marks)
- c) Briefly explain **FOUR (4)** differences of the Internet and Intranet network. (10 Marks)
4. There are various computer applications software that have help us in our daily task. With your experience in using computer applications software, answer the following questions.
  - a) Name one application software that can be used for writing academic report and give **TWO (2)** reasons for your choice. (6 Marks)
  - b) Name one application software that can be used for creating presentations slides and give **TWO (2)** reasons for your choice. (6 marks)

- c) Figure 1 below shows the Shipment data of Company A being stored in a computer application software. Describe **THREE (3)** uses of this software. (6 Marks)

Company A Shipments				
Month	Revenue (RM)	North (Unit)	South (Unit)	
Jan	25000	300	400	
Feb	26000	340	440	
Mar	27500	380	480	
Apr	28000	400	500	
May	30000	420	520	
Jun	32000	450	550	
Jul	31000	410	510	
Aug	29000	390	490	
Sep	28000	365	465	
Oct	27000	350	450	
Nov	28000	320	420	
Dec	31000	330	430	

Figure 1: Shipment data of Company A in a computer application

- d) Based on Figure 1, develop a step-by-step guide to use Microsoft Excel 'function' to calculate the average Revenue from Jan to Dec, the calculation result is to be placed at cell 'C15'. (7 Marks)

**- END OF QUESTIONS -**