



**UNIVERSITI TUN HUSSEIN ONN
MALAYSIA**

**FINAL EXAMINATION
(TAKE- HOME)
SEMESTER I
SESSION 2020/2021**

COURSE NAME : INTRODUCTION TO
INFORMATION TECHNOLOGY

COURSE CODE : DAT 10503

PROGRAMME CODE : DAT

EXAMINATION DATE : JANUARY / FEBRUARY 2021

DURATION : 2 HOURS

INSTRUCTION : **PART A** : ANSWER ALL
QUESTIONS.
PART B : ANSWER 2 (**TWO**)
QUESTIONS ONLY

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THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

PART A

Q1 Define the following terms in introduction to information technology.

- (a) Information Technology (2 marks)
- (b) Memory (2 marks)
- (c) Dynamic RAM (DRAM) (2 marks)
- (d) Static RAM (SRAM) (2 marks)
- (e) Magnetoresistive (MRAM) (2 marks)
- (f) Flash Memory (2 marks)
- (g) Cache (2 marks)
- (h) Cable Modems (2 marks)
- (i) Wireless Access Point (2 marks)
- (j) Routers (2 marks)

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Q2 The use of computers is very important nowadays. It has a good impact on society.

- (a) Define what is computer. (2 marks)
- (b) List **THREE (3)** types of computer. (6 marks)
- (c) Explain the differences between input and output devices with an example. (12 marks)

PART B

Q3 Databases are an important part of the data storage system. It benefits the organization to organize a work.

- (a) Describe **TWO (2)** functions of database. (4 marks)
- (b) Explain **THREE (3)** types of database. (6 marks)
- (c) Classify **SIX (6)** of systematic organization of data, in a hierarchical form. (12 marks)
- (d) Discuss **FOUR (4)** different functions between database system and file system. (8 marks)

Q4 Computer communication is an important element nowadays because it plays an important role in the network of human relations in the context of education, business and economy.

- (a) Explain **THREE (3)** types of network with an example. (9 marks)
- (b) Classify **FOUR (4)** characteristics in communication channel. (12 marks)
- (c) Discuss differences between internet, intranet and extranet with an example. (9 marks)

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- Q5** Online business is a form of transaction that gives profit to traders nowadays. While the internet usage ethics is an important feature in the implementation of online business.
- (a) Describe about E-Commerce in blockchain. (4 marks)
- (b) Explain **THREE (3)** characteristics of computer security with an example. (6 marks)
- (c) Classify **SIX (6)** types of cyber crimes with an example. (12 marks)
- (d) Discuss **FOUR (4)** moral guideline when a person use a computer. (8 marks)

-END OF QUESTIONS -

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