



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION SEMESTER I SESSION 2019/2020

COURSE NAME : INTRODUCTION TO
INFORMATION TECHNOLOGY

COURSE CODE : DAT 10503

PROGRAMME CODE : DAT

EXAMINATION DATE : DECEMBER 2019/JANUARY 2020

DURATION : 2 HOURS

INSTRUCTION : **PART A** : ANSWER ALL
QUESTIONS.
PART B : ANSWER **TWO (2)**
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) Data (2 marks)
 - (b) Information (2 marks)
 - (c) Information technology (2 marks)
 - (d) Supercomputer (2 marks)
 - (e) Mainframe computer (2 marks)
 - (f) Minicomputer (2 marks)
 - (g) Microcomputer (2 marks)
 - (h) Input device (2 marks)
 - (i) Output device (2 marks)
 - (j) Storage device (2 marks)
- (20 marks)

Q2 Computer networks are very important in information technology and it is an essential element of communication.

- (a) Define the computer network. (2 marks)
- (b) List **THREE (3)** types of network. (6 marks)
- (c) Explain **FOUR (4)** wireless transmissions media and give an example for each to communicate a people. (12 marks)

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(12 marks)
(20 marks)

PART B

Q3 Mobile operating system is an important element of communication for the community.

- (a) Describe **TWO (2)** functions of mobile operating system. (4 marks)
 - (b) Explain **THREE (3)** types of mobile operating system. (6 marks)
 - (c) Classify **THREE (3)** of mobile applications development with an example. (12 marks)
 - (d) Discuss **FOUR (4)** advantages and disadvantages of mobile technology for business. (8 marks)
- (30 marks)

Q4 Virtual technology, augmented reality and mixed reality are the latest technologies widely used in entertainment, education and business. It has a positive impact on people lives.

- (a) Explain **FIVE (5)** elements of virtual technology. (10 marks)
 - (b) Classify **FOUR (4)** types of applications in mixed reality with example. (12 marks)
 - (c) Discuss differences between virtual reality and augmented reality with an example. (8 marks)
- (30 marks)

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- Q5** Internet of things, big data and the ethics of computer is an important elements for preserving computer usage. It has a common interest in the context of computer usage.
- (a) Describe about Internet Of Things (IOT) with an example. (4 marks)
- (b) Big data is very important to facilitate the delivery and management of information. Explain a data volume, data velocity and data variety. (6 marks)
- (c) Classify **SIX (6)** types of cyber crimes. (12 marks)
- (d) Computer ethics is very important today. Discuss **FOUR (4)** computer ethics while using a computer and browsing the internet. (8 marks)
- (30 marks)

-END OF QUESTIONS -

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