



**UTHM**  
Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2022/2023**

COURSE NAME : NETWORKING AND INTERNET TECHNOLOGY

COURSE CODE : BDX 31403

PROGRAMME CODE : BDX

EXAMINATION DATE : JULY/AUGUST 2023

DURATION : 3 HOURS

INSTRUCTION : 1. PART A: ANSWER **ONE (1)** QUESTION **ONLY**.  
PART B: ANSWER **ALL** QUESTIONS.  
2. THIS FINAL EXAMINATION IS CONDUCTED VIA **CLOSED BOOK**.  
3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK.

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

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**PART A: ANSWER ONE (1) QUESTION ONLY**

- Q1** (a) Discuss the **FOUR (4)** benefits of mobile apps over the ecommerce website. (8 marks)
- (b) Describe **FOUR (4)** types of mobile applications that are typically developed. (12 marks)
- Q2** (a) Elaborate **FIVE (5)** advantages and disadvantages of HTML programming. (10 marks)
- (b) Explain how the internet works. (10 marks)

**PART B: ANSWER ALL QUESTIONS**

- Q3** Develop an html programming for the output as shown in **Figure Q3**. (20 marks)
- Q4** Almost anything can be purchased through Ecommerce today. For this reason, Ecommerce is often highly competitive.
- (a) Explain what is Ecommerce. (3 marks)
- (b) Discuss **FOUR (4)** advantages of Ecommerce (8 marks)
- (c) Discuss the strategic of Ecommerce to drive your business operation. (9 marks)
- Q5** (a) Explain the difference between Ecommerce and Ebusiness. (4 marks)
- (b) Describe **FOUR (4)** main Ecommerce models. (8 marks)
- (c) Discuss how the Internet of Things (IoT) can help your Ecommerce business. (8 marks)

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**Q6** The Internet of Things (IoT) has become more popular in recent years. IoT operates around a vast network. Various components are involved which work together to form a cohesive system. Based on collected data from connected products, autonomous actions are performed by the devices. Multiple entities involved in this entire process together to form the complex IoT ecosystem.

(a) State the definition of IoT (2 marks)

(b) Describe the element in the IoT ecosystem. (10 marks)

(c) Discuss the benefits of an IoT ecosystem for a business. (8 marks)

**-END OF QUESTIONS-**

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**Bachelor of Aeronautical Engineering Technology**

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[www.uthm.edu.my](http://www.uthm.edu.my)**Figure Q3****TERBUKA**