



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2023/2024**

- COURSE NAME : INTRODUCTION TO INFORMATION TECHNOLOGY
- COURSE CODE : DAT 10503
- PROGRAMME CODE : DAT
- EXAMINATION DATE : JANUARY / FEBRUARY 2024
- DURATION : 2 HOURS 30 MINUTES
- INSTRUCTIONS :
1. ANSWER ALL QUESTIONS IN PART A AND **TWO (2)** QUESTIONS IN PART B.
 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

- Q1** (a) Define what is virtual technology. (2 marks)
- (b) Describe **THREE (3)** examples of virtual technology. (6 marks)
- (c) Determine **THREE (3)** differences between Augmented Reality (AR) and Virtual Reality (VR). (12 marks)
- Q2** (a) Define what is computer network. (2 marks)
- (b) Explain **THREE (3)** types of networks. (6 marks)
- (c) Discuss the differences between internet, intranet and extranet with an example. (12 marks)

PART B

Q3 A database is a way for organizing information, so users can quickly navigate data, spot trends and perform other actions. Although databases may come in different formats, most are stored on computers for greater convenience.

(a) Classify **THREE (3)** important of Database Management System (DBMS).
(6 marks)

(b) Determine **FOUR (4)** types of Databases.
(12 marks)

(c) Analyze hierarchy of data and use diagrams to illustrate your answer where appropriate.
(12 marks)

Q4 Information systems provide information that organizations use to manage themselves efficiently and effectively, typically using computer systems and technology.

(a) Define the meaning of Management Information Systems.
(4 marks)

(b) Classify **THREE (3)** activities of information systems produce information organizations need.
(6 marks)

(c) Determine **SIX (6)** strategic business objectives in information systems with an example.
(12 marks)

(d) Discuss the technical approach and behavioral approaches in Management Information System.
(8 marks)

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- Q5** Computer security is the protection of computer systems and information from harm, theft, and unauthorized use.
- (a) Explain **THREE (3)** types of cyber threat.
(6 marks)
- (b) Determine **FOUR (4)** impact of information technology on our daily life.
(12 marks)
- (c) Discuss the difference between spyware, adware, and spam with an example.
(12 marks)

-END OF QUESTIONS –

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