



**UNIVERSITI KUALA LUMPUR
BUSINESS SCHOOL**

**FINAL EXAMINATION
FEBRUARY 2024 SEMESTER**

COURSE CODE	: KFP05303
COURSE NAME	: FUNDAMENTALS OF INFORMATION TECHNOLOGY
PROGRAMME NAME	: FOUNDATION IN BUSINESS
DATE	: 27 JUNE 2024
TIME	: 09.00 AM – 12.00 PM
DURATION	: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please **CAREFULLY** read the instructions given in the question paper.
 2. This question paper has information printed on both sides of the paper.
 3. This question paper consists of **TWO (2)** sections; **Section A** and **Section B**.
 4. Answer **ALL** questions in **Section A** and **Section B**.
 5. Please write your answers on the OMR answer script and answer booklet provided.
 6. All questions must be answered in **English** (any other language is not allowed).
 7. This question paper must not be removed from the examination hall.
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THERE ARE NINE (9) PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total : 40 marks)**INSTRUCTION: Answer ALL questions.****Please use the objective answer sheet provided.**

1. What is the primary purpose of NIC (Network Interface Card) in a computer?
A. Storing Data
B. Connecting to the network
C. Displaying graphics
D. Connecting to the internet
2. Which of the following hardware components is responsible for storing permanent data for a user?
A. Cache Memory
B. Solid State Drive (SSD)
C. Random Access Memory (RAM)
D. Read Only Memory (ROM)
3. Which type of software is specifically design to handle and manage cross functional processes in organization?
A. Antivirus software
B. System Software
C. OS software
D. ERP software
4. What is the purpose of Google Chrome or Safari in a computer?
A. Web browser
B. Word processor
C. Managing hardware resources
D. Graphic design
5. Database management system (DBMS) is used by organizations _____.
A. To design website
B. To create spreadsheet
C. To manage and organized data in structured way
D. To create 3D graphics
6. Which of the following is a common database application software used by a large organization?
A. Microsoft Excel
B. Oracle
C. Google Drive
D. Linux

7. What is a primary key in a relational database is used for?
- A. It provides a summary of the data in a table.
 - B. It identifies duplicate records.
 - C. It ensures data is encrypted and secure.
 - D. It uniquely identifies each record in a table.
8. What of the following is not IOT (Internet Of Thing) device?
- A. Smart people
 - B. Android box
 - C. Smart phone
 - D. Smart TV
9. Which is mobile operating system name for latest version of android mobile devices?
- A. Sonoma
 - B. MeeGo
 - C. Vanilla ice cream
 - D. IOS 17
10. Which of the following mobile technologies allows wireless communication between devices over 30 meters to 150 meters distances?
- A. NFC (Near Field Communication)
 - B. GPS (Global Positioning System)
 - C. Wi-Fi (Wireless Fidelity)
 - D. LTE (Long-Term Evolution)
11. When a user is using an open source operating system, it's referring to_____
- A. Linux OS
 - B. MAC OS
 - C. Unix OS
 - D. Windows OS
12. Which of the following is a computer system unit component?
- A. Windows
 - B. Motherboard
 - C. Antivirus
 - D. Hub
13. Type of printer that printing using a heating element is a _____ printer.
- A. Inkjet
 - B. Dotmatrix
 - C. Thermal
 - D. Laser

14. _____ is the real-time use of information in the form of text, graphics, audio and other virtual enhancements integrated with real-world objects.
- A. Augmented reality B. Virtual reality
C. Virtual 3D D. Virtual memory
15. Data that contains greater variety, arriving in increasing volumes over time and with more velocity is called _____.
- A. Organized Data B. Big data
C. Information Data D. Large data
16. In a hospital's database, data about an individual is stored as a _____ in a database system.
- A. Table B. Column
C. Field D. Record
17. Which of the following is not the correct answer for database relationship in a database system?
- A. One to two B. One to infinity
C. One to one D. Many to two
18. This device is used in a network to protect from dangerous and untrusted connectivity. What is the best answer to describe about the device?
- A. Modem B. Switch
C. Firewall D. Wireless router
19. Common Database advantages are below except _____.
- A. Fast retrieval of data B. Easy to develop
C. Save time D. Fast tracking of information
20. What is the purpose of Database Management System (DBMS)?
- A. Data connectivity B. Software that manages databases
C. Network protocol D. Hardware for storing data
21. What does the acronym "SSL" stand for in the context of e-commerce?
- A. Secure Socket Layer B. Simple Security Language
C. Standard Security Link D. Secure System Logic

22. What is the primary purpose of a digital wallet in e-commerce?
- A. Don't need wallet
 - B. Managing digital currencies.
 - C. Securing online transactions.
 - D. Organizing shopping lists.
23. Which e-commerce model involves one business selling products or services to a customer?
- A. B2C (Business-to-Consumer)
 - B. B2B (Business-to-Business)
 - C. C2C (Consumer-to-Consumer)
 - D. P2P (Peer-to-Peer)
24. What is the purpose of a "cookie" in the context of e-commerce websites?
- A. A gift treat for website visitors
 - B. Tracking user behavior and preferences
 - C. An online payment method
 - D. A type of online advertising
25. What is the term for the use of social media platforms to promote and sell products in e-commerce?
- A. Live Tiktok
 - B. Social commerce
 - C. Algorithmic trading
 - D. Live Shopee
26. Which device is responsible for connecting two or more network segments and facilitating the transfer of data between them?
- A. Hub
 - B. Switch
 - C. Router
 - D. Modem
27. Which network architecture typically involves a centralized server providing services and resources to a login client devices on the network?
- A. Network Architecture
 - B. Peer-to-peer (P2P) network
 - C. Cloud computing
 - D. Client/server network
28. Which type of network is designed to connect personal digital devices within a limited range, typically within 30 feet, and often uses Bluetooth technology?
- A. Local Area Network (LAN)
 - B. Wide Area Network (WAN)
 - C. Metropolitan Area Network (MAN)
 - D. Personal Area Network (PAN)

29. Which type of cyber attack involves flooding a network or system with excessive traffic to make it unavailable to legitimate users?
- A. Denial of service (DoS) attack B. Social engineering
C. Phishing attack D. Malware attack
30. What is a type of attack where malicious software can install itself without permission and potentially damage or steal data from a computer or device?
- A. Phishing attack B. Social engineering
C. Malware attack D. Denial of service (DoS) attack
31. Authentication factors in computer security are used to verify the identity of users attempting to access a system or application. Which of the following are correct answer?
- I. PIN (personal ID Number) II. Router
III. Smart Card IV. Facial recognition
- A. I and II B. I, III and IV
C. I and IV D. I, II, III and IV
32. A written guideline that helps determine whether a specification is ethical / unethical or allowed / not allowed. What is the best described answer?
- I. Intellectual property II. Code of conduct
III. Copyright IV. Trademark
- A. I and II B. I, II and IV
C. II only D. I, II, III and IV
33. When the intention of an attacker created a fake website, tricking and imitate like an original website to steal information from online users or to do harm. It describes
- I. Social media engagement II. Phishing attacks
III. Strong passwords IV. Cyberbully
- A. I and II B. I, II and IV
C. II only D. I, II, III and IV

34. Which of the following are popular graphic or photo application for designing and editing?
- I. Adobe photoshop
 - II. Adobe illustrator
 - III. Adobe acrobat reader
 - IV. Canva
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV
35. What are the best answer for cloud computing platforms applications?
- I. Amazon Web Services(AWS)
 - II. Azure
 - III. Google drive
 - IV. IOS
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV
36. Which of the following are mobile operating systems?
- I. Android
 - II. iOS
 - III. Windows 11
 - IV. MacOS
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV
37. Which of the following are popular databases management systems (DBMS) used in software development?
- I. Oracle
 - II. SQLite
 - III. MySQL
 - IV. Phyton
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV

38. These are the examples of data storage technologies in information systems. Which devices are commonly used?
- | | |
|------------------------|--------------------------|
| I. Cloud storage | II. Magnetic tapes |
| III. Solid state drive | IV. Storage area network |
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV
39. What are the best answer for middle management in an organization that responsible to reporting to top management?
- | | |
|------------------------------------|------------------------------------|
| I. Chief Information Officer (CIO) | II. System Administrator |
| III. Chief Financial Officer (CFO) | IV. Chief Technology Officer (CTO) |
- A. I and II
B. I, III and IV
C. II only
D. I, II, III and IV
40. What are the components of an computer system?
- | | |
|----------------|--------------------|
| I. System unit | II. Storage device |
| III. Hardware | IV. Software |
- A. I and II
B. I, II and IV
C. II only
D. I, II, III and IV

SECTION B: (Total : 60 marks)

INSTRUCTION: Answer ALL questions.
Please use the answer booklet provided.

Question 1

- (a) What is Operating System software (OS) and the purpose of it. (4 marks)
- (b) Give three (3) names of operating system examples. As example : *BigSur is operating system for Apple desktop.* (6 marks)

Question 2

- (a) Define what is e-commerce and give one (1) examples on web that running e-commerce. (4 marks)
- (b) List three (3) methods of EFT (Electronic Fund Transfer) transaction that can be done through e-commerce. (6 marks)

Question 3

- (a) Differentiate between a Local Area Network (LAN) and a Wide Area Network (WAN) in terms of their geographic reach. (4 marks)
- (b) Define the following common network types and associated with connected networks such as wired network, wireless network, Intranet and Extranet. (16 marks)

Question 4

Write an essay for the topic information security on malware (malicious software) types of attack. Writes at least 3 types of malware attack and define each of them.

(20 marks)

END OF FINAL EXAMINATION