



UPNM

National Defence University of Malaysia
Kewajipan • Maruah • Integriti

NATIONAL DEFENCE UNIVERSITY OF MALAYSIA

SUNGAI BESI CAMP

57000 KUALA LUMPUR

FINAL EXAMINATION

FOUNDATION PROGRAMME

SEMESTER II ACADEMIC SESSION 2024/2025

COURSE : INFORMATION TECHNOLOGY

COURSE CODE : FCS 0634

DURATION : 1 HOUR 45 MINUTES

PROGRAMME : Z0220
CODE

INSTRUCTION :

ANSWER ALL QUESTIONS IN SECTION A, B AND C

**THIS QUESTION PAPER CONTAINS TWENTY TWO (22) PAGES
INCLUSIVE OF THIS PAGE.**

COURSE LEARNING OUTCOMES

CO1	Describe the computer components	PO2
CO2	Explain the Internet and World Wide Web	PO3
CO3	Discuss the different type of software	PO2
CO4	Utilize Microsoft Office applications for real world problem solving	PO4

SECTION A (30 MARKS)

ANSWER ALL QUESTIONS

1. A host in a network performs **which** of the following tasks?
- A. Ensures satellite communications are functional
 - B. Exclusively monitors wireless networks to search for data transmission errors
 - C. Routes transmissions over a network to guarantee data reaches its intended destination
 - D. Provides services and connections to other computers on the network

(CO2:PO3 - 1 mark)

2. To **what** does the term, traffic, refer to **when** used in conjunction with the Internet?
- A. The number of computers on the Internet
 - B. The communications activity on the Internet
 - C. All the wired, wireless, and satellite connections on the Internet
 - D. The wires, fiber optics, underground cables, and radio signals used to carry the data and information across the Internet

(CO2:PO3 - 1 mark)

3. **Which** of the following allows users to have multiple home pages that automatically open when the browser starts?
- A. linked browsing
 - B. bookmark and favorites
 - C. tabbed browsing
 - D. hypertext

(CO2:PO3 - 1 mark)

4. **Which** of the following search texts will display pizza or sandwich places in New Orleans?
- A. pizza + sandwich (New Orleans)
 - B. *New Orleans + pizza_sandwich
 - C. New Orleans (pizza or sandwich)
 - D. "New Orleans + pizza_or_sandwich"

(CO2:PO3 - 1 mark)

5. Your friend Luis recently was the victim of identity theft and has asked your advice for **how** to protect himself in the future. You tell Luis that he should install software that protects network resources from outside intrusions, called a(n) _____.
- A. tracking cookie
 - B. firewall
 - C. hot spot
 - D. security scanner

(CO2:PO3 - 1 mark)

6. The term _____ refers to any application that combines text with graphics, animation, audio, video, and/or virtual reality.
- A. portal
 - B. Web app
 - C. Multimedia
 - D. Java applet

(CO2:PO3 - 1 mark)

7. The more common usage of the term, ____ page, refers to the first page that a Web site displays, such as that shown in the accompanying figure.
- A. locator
 - B. search
 - C. home
 - D. host

(CO2:PO3 - 1 mark)

8. ____ is the process of transferring data in a continuous and even flow.
- A. Uploading
 - B. Flowing
 - C. Downloading
 - D. Streaming

(CO2:PO3 - 1 mark)

9. ____ consists of full-motion images that are played back at various speeds.
- A. Audio
 - B. Vodcasting
 - C. Video
 - D. None of the above

(CO2:PO3 - 1 mark)

10. A(n) ____ is a program that extends the capability of a browser.
- A. plug-in
 - B. IrDA
 - C. chat client
 - D. VoIP

(CO2:PO3 - 1 mark)

11. Linux is an example of a(n) _____.
- A. backup utility
 - B. operating system
 - C. lifestyle app
 - D. security software

(CO3:PO2 - 1 mark)

12. A(n) _____ version is an application you can use at no charge for a limited time to see if it meets your needs.
- A. preview
 - B. beta
 - C. preliminary
 - D. trial

(CO3:PO2 - 1 mark)

13. Under **what** category of programs and apps do screen savers and backup programs fall?
- A. productivity
 - B. security
 - C. file, disk, and system management
 - D. personal interest

(CO3:PO2 - 1 mark)

14. A(n) _____ is a request for specific data from a database.
- A. query
 - B. retrieval
 - C. filter
 - D. function

(CO3:PO2 - 1 mark)

15. Productivity suites typically include, at minimum, all of the following **EXCEPT** _____.
- A. spreadsheet
 - B. word processing
 - C. presentation
 - D. project management

(CO3:PO2 - 1 mark)

16. _____ software is a type of application software that enables users to enter typed text, handwritten comments, drawings, or sketches anywhere on a page.
- A. Sketching
 - B. Notebook
 - C. Note taking
 - D. Tablet

(CO3:PO2 - 1 mark)

17. Web page ____ software is a type of application software that helps users of all skill levels create Web pages that include graphical images, video, audio, animation, and other special effects.
- A. management
 - B. authoring
 - C. publishing
 - D. editing

(CO3:PO2 - 1 mark)

18. Application software often includes a clip art/image ____, which is a collection of clip art and photographs.
- A. glossary
 - B. checker
 - C. repository
 - D. gallery

(CO3:PO2 - 1 mark)

19. ____ software for personal computers includes interactive games, videos, and other programs designed to support a hobby or provide amusement and enjoyment.
- A. Amusement
 - B. Multimedia
 - C. Entertainment
 - D. Messaging

(CO3:PO2 - 1 mark)

20. _____ is a type of application software for communications that provides for real-time exchange of messages, files, audio, and/or video with another online user.
- A. E-mail
 - B. Instant messaging
 - C. Web browser
 - D. Newsgroup

(CO3:PO2 - 1 mark)

21. Social _____ is **defined** as gaining unauthorized access to or obtaining confidential information by taking advantage of another person.
- A. manipulation
 - B. engineering
 - C. hacking
 - D. misdirection

(CO2:PO3 - 1 mark)

22. **Which** of the following is not recommended to protect against hardware failure?
- A. surge protector
 - B. UPS
 - C. cables and locks
 - D. duplicate components

(CO2:PO3 - 1 mark)

23. An encryption _____ is a set of characters that the originator of the data uses to encrypt, and the recipient of the data uses to decrypt.
- A. password
 - B. algorithm
 - C. code
 - D. key

(CO2:PO3 - 1 mark)

24. You recently purchased a new laptop for home. You want to ensure that you are safe from malware. You should install a personal _____, a program that protects your computer from unauthorized access by blocking certain types of communications.
- A. shield
 - B. firewall
 - C. back door
 - D. blocker

(CO2:PO3 - 1 mark)

25. If the web address of a website begins with https instead of http, **what** do you know about the website?
- A. It likely is spoofed.
 - B. It is secure.
 - C. It provides security services and information.
 - D. It contains encrypted data.

(CO2:PO3 - 1 mark)

26. ____ protects a computer against viruses by identifying and removing any computer viruses found in memory, on storage media, or on incoming files.
- A. An anti-spam program
 - B. E-mail encryption
 - C. An antivirus program
 - D. E-mail filtering

(CO2:PO3 - 1 mark)

27. ____ is a technique intruders use to make their network or Internet transmission appear legitimate to a victim computer or network.
- A. Rebuking
 - B. Spoofing
 - C. Transmitting
 - D. Victimizing

(CO2:PO3 - 1 mark)

28. Which of the following is **NOT** an example of a biometric device?
- A. Smart card
 - B. Face recognition system
 - C. Hand geometry system
 - D. Fingerprint scanner

(CO2:PO3 - 1 mark)

29. Software ____ occurs when someone steals software media, intentionally erases programs, or illegally copies a program.
- A. theft
 - B. extortion
 - C. piracy
 - D. terrorism

(CO2:PO3 - 1 mark)

30. ____ can lead to system failure.
- A. Aging hardware
 - B. Natural disasters, such as fires, floods, or hurricanes
 - C. Errors in computer programs
 - D. All of the above

(CO2:PO3 - 1 mark)

SECTION B (30 MARK)

ANSWER ALL QUESTIONS

31. **When** an operating system spends much of its time paging, it is said to be virtualizing.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

32. A spooler is a small program that tells the operating system **how** to communicate with a specific device.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

33. Many software makers provide free downloadable updates, sometimes called a **service pack** to users **who** have registered and/or activated their software.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

34. A File Organizer performs functions related to displaying and organizing files.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

35. You have been having issues with your printer, so you decide to learn more about **how** the printer works. You learn that by spooling documents to a buffer, the computer or mobile device can continue interpreting and executing instructions while the printer prints.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

36. A network client is the person who oversees network operations, uses the server operating system to add and remove users, computers, and other devices to and from the network.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

37. A username is a unique combination of characters, such as letters of the alphabet or numbers that identifies one specific user.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

38. A performance monitor is a program that assesses and reports information about various computer resources and devices.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

39. A password is a private combination of characters associated with the username that allows access to certain computer resources.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

40. To defragment a disk means to diagnose problems with it.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

41. More than one token can exist on a token ring network.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

42. Infrared Data Association (IrDA) standard requires line-of-sight transmission.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

43. Client/server networks do not typically require a network administrator.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

44. Extranet is to allow customers or suppliers to access part of its intranet?
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

45. For Near Field Communication (NFC) communications to be successful, the devices must not touch or come within 6 inches of each other.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

46. If a device has Bluetooth capability, using Bluetooth technology is free.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

47. A Radio Frequency Identification (RFID) reader is also called a receiver.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

48. Worldwide Interoperability for Microwave Access (WiMax) and Ultra-Wide Band (UMB) are competing standards for LTE.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

49. 802.11 is a series of standards to identify Wi-Fi networks.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

50. On networks that use TCP/IP, data tracking software can detect problems, such as why traffic is flowing slowly.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

51. A disadvantage of OOP is that you cannot reuse or modify existing objects.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

52. Data visualization is the process of presenting data graphically as charts, maps, or other pictorial formats.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

53. A completeness check verifies that a required field contains data.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

54. Users' access privileges are limited to the lowest level necessary perform required tasks.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

55. Eliminates redundant data is **NOT** an advantage of the database approach.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

56. A field that contains numbers have a text data type because the values will not be used in calculations.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

57. The function of a primary key is to provide decryption of data.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

58. Some computers and mobile devices do not support HTML5 but instead rely on Flash
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

59. Big data is a large-scale data sets that require advanced technologies?
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

60. QBE stands for query by entry.
- A. TRUE
 - B. FALSE

(CO3:PO2 - 1 mark)

SECTION C (10 MARKS)

ANSWER ALL QUESTIONS

61. Does an IP address usually consist of four groups of numbers, each separated by a comma?

A. YES

B. NO

(CO2:PO3 - 1 mark)

62. Is a computer connected to the Internet need a Web browser to browse the Web?

A. YES

B. NO

(CO2:PO3 - 1 mark)

63. Is system software used as a business tool, to facilitate communications, assist with graphics and multimedia projects, and support home, personal, and educational activities?

A. YES

B. NO

(CO2:PO3 - 1 mark)

64. Does shareware consist of copyrighted software that is provided at no cost for a limited trial period?

A. YES

B. NO

(CO2:PO3 - 1 mark)

65. When turning on a computer that has been powered off completely, are you performing a warm boot?

A. YES

B. NO

(CO2:PO3 - 1 mark)

66. Does the concept of cache memory involve the operating system assigning part of a storage medium to function as extra RAM?

A. YES

B. NO

(CO2:PO3 - 1 mark)

67. Is MAN a network that connects computers and devices within a limited geographical area, such as a home, school computer laboratory, office building, or a closely positioned group of buildings?

A. YES

B. NO

(CO2:PO3 - 1 mark)

68. If a computer or device on a ring network fails, could the entire network potentially stop functioning?

A. YES

B. NO

(CO2:PO3 - 1 mark)

69. Can the object data type store various media like photographs, audio, video, or documents created in different programs?

A. YES

B. NO

(CO2:PO3 - 1 mark)

70. Is a worm a potentially damaging computer program that negatively affects or infects a computer by altering the way it works without the user's knowledge or permission?

A. YES

B. NO

(CO2:PO3 - 1 mark)

-END-