SECTION A: ENCIRCLE THE MOST APPROPRIATE ANSWER ON THE ANSWER SHEET

1. The most important part of an information system is:
   - A. People
   - B. Hardware
   - C. Software
   - D. Data

2. Which of the following are microcomputers?
   - A. Notebook, Handheld devices, IBM AS 400
   - B. PDA, Laptops, Desktop PC
   - C. Desktop PC, PDA, Packard Bell PB 250
   - D. Notebook, Packard Bell 250

3. Which type of computer is Cray T90?
   - A. Minicomputer
   - B. Microcomputer
   - C. Supercomputer
   - D. Mainframe

4. An example of an Optical Storage device is:
   - A. Magnetic Tapes
   - B. USB Disk
   - C. Floppy Disk
   - D. DVD

5. Which of the following is an example of an Operating System?
   - A. MS DOS
   - B. MS Access
   - C. Spreadsheets
   - D. Photoshop

6. Which of the following is part of the system unit?
   - A. Monitor
   - B. Motherboard
   - C. Keyboard
   - D. None of the above

7. The four common types of files are documents files, presentation files, worksheet files and:
   - A. Program files
   - B. Database files
   - C. System files
   - D. Digital files

8. What unit of storage is used to represent 10^9 bytes?
   - A. Kilobyte
   - B. Terabyte
   - C. Megabyte
   - D. Gigabyte

9. Mail Merge is used to:
   - A. Merge two files together to create one
   - B. Generate several copies of a document with varying fields
   - C. All of the above
   - D. None of the above
   - a. Fourth Generation

10. Memory stores:
    - A. the operating system
    - B. application programs
    - C. the data being processed by the application programs
    - D. all of the above

11. The processor's _____ controls the timing of all the computer operations.
    - A. system clock
    - B. register
    - C. machine cycle
    - D. arithmetic logic unit (ALU)

12. The number of bits the processor can transmit at a given time is called:
    - A. Bus width
    - B. Word size
    - C. Access time
    - D. Channel speed

13. A _____ is a blank ROM that can be programmed once only.
    - A. EPROM
    - B. EEPROM
    - C. Flash ROM
    - D. PROM

14. A _____ port connects a device to the system unit by transferring data 1 bit at a time
    - A. Parallel
    - B. Serial
    - C. USB
    - D. FireWire

15. Bit is short for:
    - A. Binary system
    - B. Digital byte
    - C. binary unit
    - D. binary digit

16. The _____ interprets each instruction issued by a program and then initiates the appropriate action to carry out the instruction.
    - A. arithmetic logic unit (ALU)
    - B. control unit
    - C. system unit
    - D. memory

17. Computer processor chips are sometimes referred to as:
    - A. sockets
    - B. heat sinks
    - C. bits
    - D. microprocessor

18. To be able to open several applications or to allow large programs to run in a system with limited memory, _____ is used.
    - A. Cache memory
    - B. Virtual memory
    - C. Flash memory
    - D. All of the above

19. The number of bits that can be processed at one time is a:
    - A. byte
    - B. cycle
    - C. register
    - D. word

20. The most widely used local bus is:
    - A. PCI
    - B. ISA
    - C. MCA
    - D. PCMCIA

21. The type of bus that consists of a group of 16 lines and it is bidirectional is:
    - A. Address bus
    - B. Control bus
    - C. Message bus
    - D. Data bus

22. During I-time, the ALU:
    - A. Examines instructions
    - B. Executes instructions
    - C. Wait for instructions
    - D. Sends output

23. The program counter:
    - A. holds the current instruction to be executed
    - B. holds the address of the current data
    - C. holds data waiting to be processed, and results of processing
    - D. holds the location in memory of the next instruction/data

24. The indentations on CDs and DVDs are called:
    - A. lands
    - B. pits
    - C. clusters
    - D. tracks

25. Which of the following statements is true?
    - A. The digitizing tablet is an input device
    - B. The light pen is not an input device
    - C. The mouse is an output device
    - D. The monitor is not an output device.

26. Which printer prints by spraying ink at the paper?
    - A. Laser printer
    - B. Dot matrix printer
    - C. Ink Jet printer
    - D. Line printer

27. The screen size of a CRT is measured.
    - A. Vertically
    - B. Horizontally
    - C. Vertically and Horizontally
    - D. Diagonally

28. Voice recognition is also called:
    - A. Optical character recognition
    - B. Speech recognition
    - C. Sound recognition
    - D. Continuous speech

29. Using a (n) _____ reduces the risk of wrist and hand injuries.
    - A. Ergonomic keyboard
    - B. Cordless keyboard
    - C. QWERTY keyboard
    - D. Portable keyboard

30. Blind users can work with _____ instead of using a monitor?
    - A. Text output
    - B. Graphics output
    - C. Video output
    - D. Audio output

31. The light-sensing input device that reads printed text and graphics and then translates the results into a form the computer can process is called a(n):
    - A. Optical reader
    - B. Bar code scanner
    - C. Optical scanner
    - D. Data collection device

32. Mobile computers have _____ displays.
    - A. CRT
    - B. Gas plasma
    - C. HDTV
    - D. LCD

33. Input may be in the following forms:
    - A. OCR, MICR and CPU
    - B. OMR, VGA and OCR
    - C. OCR, MICR and OMR
    - D. VGA, SVGA and XVGA

34. Which of the following printer prints one character at a time?
    - A. Line printer
    - B. Inkjet printer
    - C. Alphabetic printer
    - D. Dot matrix printer

35. Mass produced, copyrighted software that meets the needs of a variety of users is called:
    - A. Custom software
    - B. Ready made software
    - C. Freeware
    - D. Shareware

36. The columns in a database are called:
    A. cells
    B. fields
    C. records
    D. queries

37. The type of education in which students learn by using and completing exercises with instructional software is called:
    A. Computer based training (CBT)
    B. Distance learning
    C. Web based training (WBT)
    D. Computer aided graphics

38. You must instruct the _____ to start the application software.
    A. utility program
    B. memory
    C. operating system
    D. processor

39. Symbian OS is an example of an operating system that is used in:
    A. Mainframes
    B. Supercomputers
    C. Handheld computers
    D. Desktop computers

40. A _____ is part of a program in execution.
    A. process
    B. data
    C. source code
    D. utility

41. A graphical user interface (GUI):
    A. is character-based and does not use any graphics.
    B. gives the ability to create other software.
    C. allows users to interact with the computer using graphic images.
    D. all of the above

42. MS Word 2002 can be considered as:
    A. An operating system
    B. A web based software
    C. An education software
    D. A productivity software

43. Which of the following is true?
    A. The bootstrap loader resides in the RAM
    B. The bootstrap loader locate and execute the kernel
    C. The bootstrap is executed when the system is shut down
    D. The bootstrap is a virus that attacks the operating system

44. Transmission of data can be:
    A. Analogue
    B. Digital
    C. Synchronous
    D. All of the above

45. A modem does the following:
    A. Convert digital data to analogue before sending data
    B. Convert digital data to analogue when receiving data
    C. Convert analogue data to digital before sending data
    D. All of the above

46. Which media makes use of light for data transmission?
    A. Twisted Pair
    B. Coaxial
    C. Fibre optics
    D. All of the above

47. Data travel in only one direction through the nodes in a:
    A. Ring network
    B. Star network
    C. Bus network
    D. None of the above

48. A node can be:
    A. a server
    B. a workstation
    C. a printer
    D. all of the above

49. Which of the following is true?
    A. Fibre optics is less reliable than twisted pair cable
    B. Fibre optics has less reliable than coaxial cable
    C. Fibre optics is immune to electrical noise
    D. All of the above

50. Which of the following lists the different type of networks in ascending geographical area?
    A. LAN, WAN, MAN
    B. WAN, LAN, MAN
    C. MAN, LAN, WAN
    D. LAN, MAN, WAN

51. Protocols:
    A. define techniques for encoding and decoding data
    B. can define mechanism for detecting and recovering from transmission errors
    C. are set of rules defining format of data for communication
    D. All of the above

52. The Internet uses the following protocol:
- A. TCP/IP
- B. IPX/SPX
- C. UDP/IP
- D. TCP/UDP

53. Internet users connect to the _____ of the desired ISP.
- A. hard disk
- B. gateway
- C. RAM
- D. ROM

54. With _____, standard telephone line is used to connect to the Internet.
- A. VDSL
- B. Dial-up access
- C. ISDN
- D. Cable television Internet services

55. The jargon for navigating on the Internet is called:
- A. clicking
- B. selecting
- C. surfing
- D. analysing

56. Electrical interferences that can distort data during transmission are called:
- A. virus
- B. trojan
- C. noise
- D. modulation

57. The process of a computer receiving information from a server on the Internet is known as:
- A. downloading
- B. pulling
- C. transferring
- D. uploading

58. In order to view pages on a web site, the user needs to enter the site address called:
- A. Uniform resource locator
- B. Email address
- C. Postal address
- D. MAC address

59. The most popular Web browsers for personal computers are Microsoft Internet Explorer, Netscape, and _____.
- A. Opera
- B. Dreamweaver
- C. QuickTime player
- D. Real Player

60. Circuit switching:
- A. creates a direct physical circuit between 2 switches
- B. creates a direct physical connection between 2 devices
- C. creates a direct physical switch between 2 circuits
- D. creates a direct physical connection between a circuit and a switch

61. In packet switched network, the data units are called:
- A. block
- B. bit
- C. packets
- D. switches

62. In a peer to peer network:
- A. all computers have different services
- B. all computers have equal rights
- C. computers have different operating systems
- D. user authentication is done remotely

63. A client server architecture can be:
- A. centralised
- B. decentralised
- C. distributed
- D. all of the above

64. Banking system with a single server is an example of:
- A. centralized network
- B. decentralized network
- C. distributed network
- D. peer to peer network

65. A server program:
- A. should run all the time
- B. should run only when needed
- C. both A and B above
- D. none of the above

66. A _____ is a mechanism which will look for information on different web sites and databases distributed all over the Internet.
- A. web server
- B. browser
- C. trojan
- D. search engine

67. A browser:
- A. software to browse a source code
- B. antivirus software
- C. software that enables internet users to view web pages
- D. security software

68. The most common graphics formats on the Web are GIF and _____.
    - A. BMP
    - B. JPEG
    - C. TIFF
    - D. PNG

69. HTML stands for:
    - A. Hyper Text Make up Language
    - B. Hyper Terminal Mark up Language
    - C. Hyper Text Mark up Language
    - D. Higher Text Mark up Language

70. An HTML file has which type of extension?
    - A. xml
    - B. html
    - C. txt
    - D. htl

71. Which of the following is not true about an HTML file?
    - A. It can be written in a text editor
    - B. It is supported by Internet Explorer
    - C. It is supported by Netscape Navigator
    - D. The tags are case sensitive

72. Which of the following is not a valid HTML tag?
    - A. <P>
    - B. </H1>
    - C. <Z>
    - D. </A>

73. What character entity code need to be used in the HTML source to display a less than (<) sign on the browser?
    - A. >
    - B. &less;
    - C. <
    - D. &

74. What tag is needed to create link in HTML?
    - A. Anchor tag
    - B. Navigation tag
    - C. Linkage tag
    - D. Move tag

75. Which of the following is true?
    - A. Frames are independent of each other
    - B. Frames depends heavily on each other
    - C. Frames are used to convert web pages to PDF
    - D. Frames cannot contain HTML documents

76. What is the correct HTML for inserting an image?
    - A. <img href="image.png">
    - B. <img load="image.png">
    - C. <img src="image.png">
    - D.

77. What is the HTML tag for listing items in a list?
    - A. <OL></OL>
    - B. <UL></UL>
    - C. <LIST></LIST>
    - D. <LI>

78. Which statement is false about the benefits of EDI trading?
    - A. It provides faster trading cycle
    - B. It reduces security and accuracy
    - C. It reduces delivery times for overseas trade
    - D. It reduces cost of paper, postage and manpower.

79. A knowledge-based system that simulates human reasoning is known as:
    - A. computer system
    - B. database system
    - C. expert system
    - D. IntelSat system

80. A 4GL is a tool used to:
    - A. build software application
    - B. repair computer failures
    - C. learn software programs
    - D. retrieve back loss data

81. PC packages can be dynamically linked by what is called:
    - A. OCR
    - B. ODE
    - C. OLE
    - D. OMR

82. A textual image is converted into editable text using an:
    - A. OCR
    - B. ODE
    - C. OLE
    - D. OMR

83. An application of voice and vision technology is in:
    - A. Database system
    - B. Photoshop
    - C. Video conferencing
    - D. none of the above

84. Which of the following refers to the transmission and receipt of regular documentation such as invoices, purchase orders and credit?
    - A. CBT
    - B. EDI
    - C. ICT
    - D. ACCPAC

85. In order to protect computer systems from viruses we use _____ software.
    - A. antivirus
    - B. antiworm
    - C. application
    - D. firewall

86. A _____ is a type of virus that neither replicates nor copies itself to anything.
    - A. Shell
    - B. Trojan
    - C. Worm
    - D. None of the above

87. _____ methods are also used to protect data and password privacy.
    - A. Encryption
    - B. Firewall
    - C. NAT
    - D. DMZ

88. Which of the following is not a choice on the content advisor's list of configurable options?
    - A. Language
    - B. Brutality
    - C. Nudity
    - D. Violence

89. Which of the following represents a category of viruses?
    - A. File Infectors
    - B. Boot record infectors
    - C. Macro viruses
    - D. All of the above

90. PGP stands for:
    - A. Private Good Privacy
    - B. Public Gone Private
    - C. Pretty Good Privacy
    - D. Process Gone Private

91. Which of the following is a malicious threat?
    - A. Hackers trying to flood a mail server with emails to freeze the service
    - B. Injection of queries in login text box to retrieve user password
    - C. Cracking of database passwords
    - D. All of the above

92. Which of the following is not true about a firewall?
    - A. A firewall can be both hardware and software
    - B. A firewall protects only against external threats
    - C. An antivirus software can be part of a firewall
    - D. A firewall protects only against internal threats

93. _____ is an encryption algorithm that encrypts and decrypts e-mail and files over the Internet.
    - A. PGP
    - B. NAT
    - C. DMZ
    - D. SET

94. Mc Afee is an example of common _____ software.
    - A. coffee
    - B. firewall
    - C. antivirus
    - D. none of the above

95. Feasibility study is conducted to
    - A. check the viability of the project
    - B. identify the user's requirements
    - C. support computerization of the project
    - D. respond to user queries

96. The following is NOT a stage of the SDLC
    - A. system testing
    - B. feasibility study
    - C. sustaining study
    - D. system design

97. System testing is usually done
    - A. during design
    - B. during analysis
    - C. during coding
    - D. after coding

98. The FS report refers to
    - A. financial support
    - B. feasibility specification
    - C. functional specification
    - D. none of the above

99. Monitoring the use of hardware, software and personnel resources in the IS dept is known as
    - A. operating system
    - B. operation management
    - C. management information system
    - D. all of the above

100. Software development life cycle is
    - A. the life-time of a software
    - B. stages of software development
    - C. when a software is removed
    - D. none of the above