APPENDIX

Assessment Test (maximum time allowed to complete is 25 minutes)

Please answer as many questions as you can. Thank you for your participation.

1. Which of the following statements about a LAN is true?
   A. A computer network which covers a relatively small geographic area
   B. A computer network which covers a relatively large geographic area
   C. A computer network which does not cover any geographic area
   D. None of the above

2. A network consists of the following basic components:
   A. Repeaters, hub, cabling, modems, application software.
   B. Fibre optic cabling, hub, workstations, multistation access unit
   C. Network operating system, cabling, network cards, workstation
   D. All of the above.

3. Which of the following statements about bandwidth of a channel is true?
   A. Greater the bandwidth, higher the data rate
   B. Greater the bandwidth, lower the data rate
   C. Lower the bandwidth, higher the data rate
   D. All of the above

4. Match the description of a LAN topology. A break in a cable anywhere on the network can disable the entire network:
   A. Ring
   B. Bus
   C. Star
   D. Both A and B

5. A Star topology is usually cabled with which type of cabling?
   A. Thin coax
   B. Thick coax
   C. Fiber Optic
   D. UTP

6. A television broadcast is an example of:
   A. Simplex transmission
   B. Half-duplex transmission
   C. Full-duplex transmission
   D. All of the above

7. Which one of the followings is not a channel access method for a LAN?
   A. CSMA/CD
   B. Token Passing
   C. CAMA/CA
   D. Token ring

8. Which one of the followings is not a LAN topology?
   A. Star
   B. Ring
9. Which of the following statements is true?
   A. A Hub is faster than a switch
   B. A Hub is slower than a switch
   C. A Hub can transmit data simultaneously from two or more sources
   D. All of the above

10. Which of the following statements about a computer network protocol is true?
    A. A protocol is a collection of rules for formatting, ordering, and error-checking data sent across a network
    B. A protocol is only required just before data transmission across a network
    C. Data transmission across the network can be success without a protocol
    D. All of the above

11. What is the bandwidth of a signal that ranges from 100 kHz to 10 kHz?
    A. 110 kHz
    B. 90 kHz
    C. 1.10 kHz
    D. 9 kHz

12. The IEEE 802.4 is an example of:
    A. Ethernet LAN
    B. Token Ring
    C. Token Bus
    D. Wireless LAN

13. Frequency is measured in:
    A. Bps
    B. Mbyte
    C. Mbits
    D. Hertz

14. Terahertz is equivalent to:
    A. 1 trillion hertz
    B. 1 billion hertz
    C. 1 million hertz
    D. 1 thousand hertz

15. Which one of the following statements about optical fibre cable is true?
    A. Higher bandwidth than UTP cable
    B. Lower bandwidth than UTP cable
    C. Same bandwidth as coaxial cable
    D. None of the above

16. Match the definition of a networking term: The block of data sent over an Ethernet network is called:
    A. Protocol stack
    B. Frame
    C. Cell
    D. Subnet
17. The maximum recommended segment length in a thin ethernet (10Base-2) is?
   A. 100 feet
   B. 185 feet
   C. 100 metres
   D. 185 metres

18. What does Wi-Fi stand for?
   A. Wired-Fiction
   B. Wireless-Fitting
   C. Wireless-Fidelity
   D. Wired-Fix

19. What is the maximum theoretical speed of IEEE 802.11b?
   A. 12 Mbps
   B. 54 Mbps
   C. 22 Mbps
   D. 11 Mbps

20. What is the maximum theoretical speed of IEEE 802.11a?
   A. 12 Mbps
   B. 54 Mbps
   C. 22 Mbps
   D. 11 Mbps

21. Is Wi-Fi a secure network?
    A. Yes, better than wired networks
    B. No, worse than wired networks
    C. Yes, equal to wired networks

22. Does it cost more to set a Wi-Fi network than a wired network?
    A. Yes, a lot more than a wired network
    B. Yes, but not much more than a wired network
    C. No, the same
    D. No, a lot cheaper than a wired network

23. A wireless LAN is always requires an Access Point:
    A. False
    B. True

24. A wireless LAN is better than a wired LAN because:
    A. It offers mobility
    B. It offers high bandwidth
    C. It is more secure
    D. Both A and B

25. The basic unit serviced by a base station is called:
    A. City
    B. Cell
    C. Town
    D. Village