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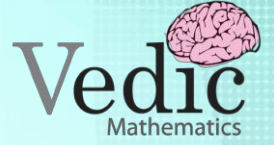
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1) is the transmission of data between two or more computers over communication links

- a) Communication
- b) Networking
- c) Data communication
- d) Data networking

2) Communication channel having type(s)

- a) 1 b) 2 c) 3 d) 4

3) In simplex channel, flow of data is

- a) Always in one direction
- b) Always in both direction
- c) In both directions, but at one time
- d) All of the above

4) Communication between a computer and a keyboard involves transmission

- a) Automatic b) Half duplex
- c) Full duplex d) Simplex
- e) None of these

5) Mobile phone is an example of which type of communication channel?

- a) Simplex b) Half duplex
- c) Full duplex d) None of these

6) Which of the following is not a property of twisted pair cabling?

- a) Twisted pair cabling is a relatively low speed transmission
- b) The wires can be shielded
- c) The wires can be unshielded
- d) Twisted pair cable carries signals as light waves

7) In twisted pair, wires are twisted together, which are surrounded by an insulating material and an outer layer called

- a) Frame b) Cover
- c) Disk d) Block
- e) Jacket

8) Which of the following is the grates advantage of co - axial cabling?

- a) High security
- b) Physical dimensions
- c) Long distances
- d) Easily tapped

9) Which of the following cables can transmit data at high speed?

- a) Flat cable
- b) Co - axial cable
- c) Optic fibre cable
- d) Twisted pair cable
- e) UTP cable

10) Which Indian state decided to implement Bharat Net Service which will connect all the village panchayats through optical fibre?

- A. Maharashtra
- B. Punjab
- C. Tamil Nadu
- D. Uttar Pradesh

- a) D b) B c) A d) C

11) Networking using fibre optic cable is done as

- a) It has high bandwidth
- b) It is thin and light
- c) It is not affected by electro magnetic interferences / power surges, etc....
- d) All of the above
- e) None of the above

12) Which of the following is not a property of fibre optic cabling?





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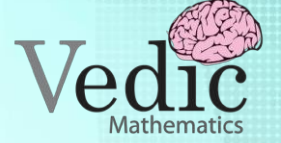
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- a) Transmits at faster speed than copper cabling
- b) Easier to capture a signal from the copper cabling
- c) Very resistant to interference
- d) Carries signals at light waves
- e) Less attenuation

13) A device that connects to a network without the use of cables is said to be

- a) Distributed
- b) Cabled
- c) Centralised
- d) Open source
- e) Wireless

14) Which of the following is the fastest communication channel?

- a) Radio wave
- b) Microwave
- c) Optical fibre
- d) All are operating at nearly the same propagation speed

15) Bandwidth refers to

- a) The cost of the cable required to implement a WAN
- b) The cost of the cable required to implement a LAN
- c) The amount of information a peer - to - peer network can store
- d) The amount of information a communication medium can transfer in a given amount of time
- e) None of the above

16) Which of the following represents the fastest data transmission speed?

- a) Bandwidth
- b) bps
- c) gbps
- d) kbps
- e) mbps

17) A (n) Is composed of several computers connected together to share resources and data

- a) Internet
- b) Network
- b) Backbone
- d) Hyperlink
- c) Protocol

18) What do we call for the arrangements when two or more computers physically connected by cables to share information or hardware?

- a) URL
- b) Network
- c) Server
- d) Internet
- e) Modem

19) A combination of hardware and software that allows communication and electronic transfer of information between computers is a

- a) Network
- b) Backup system
- b) Server
- d) Peripheral
- c) Modem

20) Which of the following terms is associated with networks?

- a) MS - excel
- b) Mouse
- c) Word
- d) Connectivity
- e) Plotter

21) What type of resource is most likely to be a shared common resource in a computer network?

- a) Printers
- b) Speakers
- c) Floppy disk drives
- d) Keyboards
- e) None of the above

22) The first network that has planted the seeds of Internet was

- a) APRANET
- b) NSFnet
- c) V - net
- d) I - net





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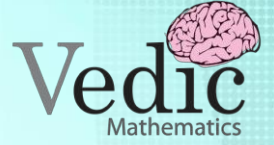
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23) Pathways that support communication among the various electronic components on the system board are called

- a) Network lines
- b) Processors
- c) Logic paths
- d) Bus lines
- e) Gateway

24) What do we call a network whose elements may be separated by some distance? It usually involves two or more network and dedicated high speed telephone lines

- a) LAN
- b) WAN
- c) URL
- d) Server
- e) World Wide Web

25) LAN can use Architecture

- a) Peer - to - peer
- b) Client and server
- c) Both a and b
- d) Neither a nor b

26) Ethernet, token ring and token bus are types of

- a) WAN
- b) LAN
- c) Communication channels
- d) Physical media
- e) None of the above

27) The advantage of LAN is

- a) Sharing peripherals
- b) Backing up your data
- c) Saving all your data
- d) Accessing the web
- e) Automatic printing of data

28) Computer connected to a LAN can

- a) Run faster
- b) Share information and / or share peripheral equipment

- c) Go online
- d) E - mail
- e) None of the above

29) allows LAN users to share computer programs and data

- a) Communication server
- b) Print server
- c) File server
- d) All of the above

30) What is the use of bridge in network?

- a) To connect LANs
- b) To separate LANs
- c) To control network speed
- d) All of the above

31) Which of the following items is not used in Local Area Network (LAN)?

- a) Interface card
- b) Cable
- c) Computer
- d) Modem

32) Which type of network would use phone lines?

- a) WAN
- b) LAN
- c) WWAN
- d) Wireless
- e) None of these

33) Which of the following refers to a small, single - site network?

- a) PAN
- b) DSL
- c) RAM
- d) USB
- e) CPU

34) These servers store and manage files for network users

- a) Authentication
- b) Main
- c) Web
- d) File

35) is the most important / powerful computer in a typical network

- a) Desktop
- b) Network client
- c) Network server





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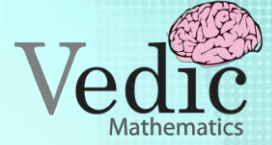
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- d) Network station
- e) Network switch

36) A protocol is a set of rules governing a time sequence of events that must take place

- a) Between peers
- b) Between an interface
- c) Between modems
- d) Across an interface

37) A Is an agreement between the communication parties on how communication is to proceed?

- a) Path
- b) SLA
- ☒ c) Bond
- d) Protocol

38) A device operating at the physical layer is called a

- a) Bridge
- b) Router
- c) Repeater
- d) All of these

39) Which of the following devices that joins multiple computers together within one LAN?

- a) Repeater
- b) Hub
- c) Gateway
- d) Switch
- e) Router

40) Which of the following is used for modulation and demodulation?

- a) Modem
- b) Protocols
- c) Gateway
- d) Multi - plexer
- e) None of these

41) What is the name of the drive that links your computer with other computers and information services through telephone lines?

- a) Modem
- b) LAN
- c) URL
- d) WAN
- e) Server

42) What is the function of a modem?

- a) Encryption and decryption
- b) Converts data to voice and vice - versa
- c) Converts analog signals to digital signals and vice - versa
- d) Servers as a hardware anti - virus
- e) None of the above

43) The hardware device or software program that sends messages between network is known as

- a) Bridge
- b) Backbone
- c) Router
- d) Gateway
- e) Other than those given as options

44) Which of the following is not a network device?

- a) Router
- b) Switch
- c) Bus
- d) Bridge

45) Geometric arrangement of devices on the network is called

- a) Topology
- b) Protocol
- c) Media
- d) LAN

46) Which of the following topologies is not of broadcast type?

- a) Star
- b) Bus
- c) Ring
- d) All of these

47) Network components are connected to the same cable in the topology

- a) Star
- b) Ring
- c) Bus
- d) Mesh
- e) Tree

48) Hub is associated with Network

- a) Bus
- b) Ring
- c) Star
- d) Mesh
- e) All of these

49) In a ring topology, the computer in possession of the can transmit data





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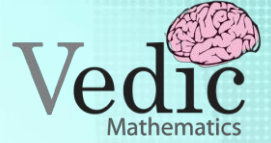
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a) Packet

b) Data

d) All of these

c) Access method

d) Token

50) In which topology, every node is connected to two other nodes?

a) Bus topology

b) Ring topology

c) Star topology

d) Mesh topology

e) None of these

51) Which is the name of the network topology in which there are bi-directional links between each possible node?

a) Ring

b) Star

c) Tree

d) Mesh

52) An alternate name for the completely inter-connected network topology is

a) Mesh

b) Star

c) Tree

d) Ring

53) Which is the highest reliability topology?

a) Mesh topology

b) Tree

b) Bus topology

d) Star topology

c) None of these

54) P2P is a application architecture

a) Client / server

b) Distributed

c) Centralised

d) 1 - tier

e) None of these

55) A packet filtering firewall operates at which of the following OSI layers?

a) At the application layer

b) At the transport layer

c) At the network layer

d) At the gateway layer

56) Encryption and decryption are the functions of

a) Transport layer

b) Session layer

c) Presentation layer

57) Name the fourth layer of OSI model

a) Application layer

b) Data link layer

c) Transport layer

d) Session layer

e) None for these

58) In OSI network architecture, the routing is performed by

a) Network layer

b) Data link layer

c) Transport layer

d) Session layer

e) None of these

59) In the following list of devices which device is used in network layer?

a) Repeaters

b) Router

c) Application Gateway

d) Switch

60) Switches work on which OSI model?

a) Data link layer

b) Physical layer

c) Transport layer

d) Network layer

e) Application layer

61) In IT networking, which of the following device is used in physical layer?

a) Repeater

b) Router

c) Transport Gateway

d) Bridge

62) Multi-plexing involves Path (s) and channels (s)

a) One, one





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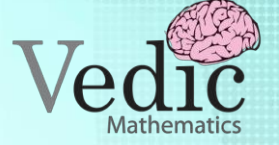
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- b) One, multiple
- c) Multiple, one
- d) Multiple, multiple
- e) None of the above

- b) Only sound is transmitted
- c) Only video is transmitted
- d) Only data is transmitted

63) A processor that collects the transmissions from several communication media and send them over a single line that operates at a higher capacity is called

- a) Multi - plexer
- b) Bridge
- c) Hub
- d) Router
- e) None of these

69) What is the frequency range of data transmission under computer system?

- a) Band
- b) Bandwidth
- c) Byte
- d) Bit

64) To send data / message to and from computers, the network software puts the message information in a

- a) NIC
- b) packet
- c) Trailer
- d) Header
- e) None of these

65) How many bits are there in the ethernet address?

- a) 64 bits
- b) 48 bits
- c) 32 bits
- d) 16 bits
- e) None of these

66) Ethernet uses

- a) Bus topology
- b) Ring topology
- c) Mesh topology
- d) All of the above

67) In networks, a small message used to pass between one station to another is known as

- a) Token
- b) Byte
- c) Word
- d) Ring

68) ISDN is a tele - communication technology, where

- a) Voice, video and data all are transmitted simultaneously

