Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - –Computer Networking
Course Code - BAIC202

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Answer all the questions. Each question carry one mark.

9.   1. Data Encryption Standard is an example of a _____ cryptosystem.

Mark only one oval.

○ conventional

○ public key

○ hash key

○ asymmetric-key

10.   2. Which data communication method is used to transmit the data over a serial communication link?

Mark only one oval.

○ Simplex

○ Half-duplex

○ Full duplex

○ All of above

11.   3. What PPP protocol provides dynamic addressing, authentication, and multilink?

Mark only one oval.

○ NCP

○ HDLC

○ X.25

○ LCP

12.   4. Which is a Reliable Protocol?

Mark only one oval.

○ UDP

○ TCP

○ IP

○ None of these

13.   5. Header of datagram in IPv4 has

Mark only one oval.

- ◯ 0 to 20 bytes
- ◯ 20 to 40 bytes
- ◯ 20 to 60 bytes
- ◯ 20 to 80 bytes

14.   6. The connection Establishment of TCP follows

Mark only one oval.

- ◯ Two way handshaking
- ◯ Three way handshaking
- ◯ Two way data-transfer
- ◯ Three way data-transfer

15.   7. What protocols are used to configure trunking on a switch?

Mark only one oval.

- ◯ VLAN Trunking Protocol
- ◯ VLAN
- ◯ 802.1Q
- ◯ ISL

16. 8. The smallest unit of data in Datalink layer is known as _____

Mark only one oval.

◯ Frame

◯ Packet

◯ Raw Bits

◯ Segment

17. 9. A switch in a datagram network uses _____

Mark only one oval.

◯ Destination address

◯ Source address

◯ Routing table

◯ header

18. 10. Which of the following usually observe each activity on the internet of the victim, gather all information in the background, and send it to someone else?

Mark only one oval.

◯ Malware

◯ Spyware

◯ Adware

◯ All of these

19.   11. An administrator calls you and states that they believe an interface is down on a
router you maintain. Which command will show only the interface, the IP address
configured, and the status of the interface?

Mark only one oval.

◯ Router#show interface brief

◯ Router#show ip interface brief

◯ Router#show interface

◯ Router#show ip interface

20.   12. You have users plugged into a hub running Mbps half-duplex. There is a server
connected to the switch running Mbps half-duplex as well. How much bandwidth
does each host have to the server?

Mark only one oval.

◯ 100 kbps

◯ 10 Mbps

◯ 1 Mbps

◯ 2 Mbps

21.   13. Switch is a Device of _____ Layer of OSI Model.

Mark only one oval.

◯ Network Laye

◯ Data Link Layer

◯ Application Layer

◯ Session Layer

22. 14. Encryption and decryption is the function of _____

Mark only one oval.

⬭ Datalink layer

⬭ Transport Layer

⬭ Network Layer

⬭ Presentation Layer

23. 15. In IPv4, If we use a protocol with Maximum Transfer Unit (MTU), it makes transmission more

Mark only one oval.

⬭ Difficult

⬭ Efficient

⬭ Slow

⬭ Fast

24. 16.In promiscuous mode _____

Mark only one oval.

⬭ The HUB act like a Router

⬭ The Switch act as HUB

⬭ The switch act as Router

⬭ The HUB act like Switch

25.   17. In OSI model dialogue control and token management are responsibilities of ?

Mark only one oval.

◯ Session Layer

◯ Network layer

◯ Transport layer

◯ Data link layer

26.   18. Which of the following network devices/systems translates data from one format to another?

Mark only one oval.

◯ Hub

◯ DHCP Server

◯ Gateway

◯ NIC

27.   19. The default port number of HTTP is _____

Mark only one oval.

◯ 445

◯ 443

◯ 80

◯ 81

28.   20. In IPv4, thing encapsulated in a frame is

Mark only one oval.

  ◯ Instagram

  ◯ Data Frame

  ◯ Datagram

  ◯ Minigram

29.   21. What remains always local on the LAN and never go through a router ?

Mark only one oval.

  ◯ MAC address

  ◯ IP address

  ◯ Logical Address

  ◯ All of the above

30.   22. Loss in signal power as light travels down the fiber is called?

Mark only one oval.

  ◯ Attenuation

  ◯ Propagation

  ◯ Scattering

  ◯ Interruption

31.   23. Which of the following devices takes data sent from one network device and forwards it to the destination node based on MAC address?

Mark only one oval.

⬭ Hub

⬭ Switch

⬭ Gateway

⬭ Modem

32.   24. TCP is a protocol of _____ layer

Mark only one oval.

⬭ Datalink layer

⬭ Transport Layer

⬭ Network Layer

⬭ Session Layer

33.   25. Option is used when source needs to pass information to all routers visited by datagram

Mark only one oval.

⬭ Hop-by-Hop Option

⬭ Loop-by-loop Option

⬭ IP-by-IP option

⬭ Header-by-Header option

34. 26. Data _____ is used to ensure confidentiality.

Mark only one oval.

◯ Encryption

◯ Locking

◯ Deleting

◯ Backup

35. 27. The method of communication in which transaction takes place in both directions,but only in one direction at a time, is called ?

Mark only one oval.

◯ Simplex

◯ Four wire circuit

◯ Full duplex

◯ Half-duplex

36. 28. What is a stub network?

Mark only one oval.

◯ A network that has only one entry and exit point.

◯ A network with only one entry and no exit point.

◯ A network with more than one exit point.

◯ A network with more than one exit and entry point.

37. 29. Which of the following device is used in star topology?

Mark only one oval.

○ HUB

○ Managed Switch

○ None of these

○ Switch

38. 30. In IPv4 layer, datagram is a

Mark only one oval.

○ fixed length

○ variable length

○ long length

○ short length

39. 31. The smallest unit of data in Network layer is called_____

Mark only one oval.

○ Frame

○ Packet

○ Raw Bits

○ Segment

40. 32. How many collision domains are created when you segment a network with a -
port switch?

Mark only one oval.

○ 1

○ 12

○ 5

○ 2

41. 33. The smallest unit of data in Network layer is known as _____

Mark only one oval.

○ Frame

○ Packet

○ Raw Bits

○ Segment

42. 34. In version field of header IPv4, when machine is using some other version of
IPv4 then datagram is

Mark only one oval.

○ discarded

○ terminated

○ switched

○ linked

43.   35. Firewalls can be of _____ kinds.

Mark only one oval.

    ⬭ 1

    ⬭ 2

    ⬭ 3

    ⬭ 4

44.   36. Which of the following system calls results in the sending of SYN packets?

Mark only one oval.

    ⬭ socket

    ⬭ bind

    ⬭ listen

    ⬭ connect

45.   37. How often are BPDUs sent from a layer 2 device?

Mark only one oval.

    ⬭ Every 2 seconds

    ⬭ Never

    ⬭ Every 10 minutes

    ⬭ Every 30 seconds

46. 38. HUB is a _____ Device and Switch is a _____ Device.

Mark only one oval.

◯ Unicast, Multicast

◯ Multicast, Unicast

◯ Broadcast, Unicast

◯ None of Above

47. 39. ____ layer is the only layer in OSI model which is fully visible.

Mark only one oval.

◯ Datalink

◯ Application

◯ Network

◯ Physical

48. 40. Which one of the following can be considered as the class of computer threats?

Mark only one oval.

◯ Dos Attack

◯ Phishing

◯ Soliciting

◯ Both A and C

49.   41. Put the odd out

Mark only one oval.

○ Token Bus Card

○ Ethernet Card

○ Token Ring Card

○ AGP Card

50.   42. Under mark parity,each parity bit is?

Mark only one oval.

○ Alternated between 0 and 1

○ Always set to 0

○ Always set to 1

○ Not used

51.   43. Which of the following devices assigns IP address to devices connected to a network that uses TCP/IP?

Mark only one oval.

○ DHCP Server

○ NIC

○ Gateway

○ Hub

52.   44. The default port number of HTTPs is _____

Mark only one oval.

◯ 445

◯ 443

◯ 80

◯ 81

53.   45. Total length of IPv4 datagram is limited to 65,535 (2 - bytes, since field length is

Mark only one oval.

◯ 10 Bits

◯ 12 Bits

◯ 14 Bits

◯ 16 Bits

54.   46. Which command is used to see the routing table (map of the internetwork) ?

Mark only one oval.

◯ show ip route.

◯ show int.

◯ show route.

◯ None of these

55.   47. The topology with highest reliability is ?

Mark only one oval.

◯ Bus topology

◯ Star topology

◯ Ring Topology

◯ Mesh Topology

56.   48. Although they've fallen out of favor, which of the following devices is used to connect different network segments and manage the traffic between them?

Mark only one oval.

◯ Bridge

◯ Hub

◯ Gateway

◯ Repeater

57.   49. UDP is a protocol of _____ layer

Mark only one oval.

◯ Datalink layer

◯ Transport Layer

◯ Network Layer

◯ Session Layer

58. 50. Internet has chosen datagram approach to switching in the

Mark only one oval.

◯ Data Link Layer

◯ Network Layer

◯ Switched Layer

◯ Linear Layer

59. 51. Routing is used for transfer _____ from one device to another device through network ?

Mark only one oval.

◯ Bits

◯ Frame

◯ Packet

◯ Data

60. 52. In communication satellite, multiple repeaters are known as?

Mark only one oval.

◯ Detectors

◯ Modulators

◯ Stations

◯ Transponders

61.   53. Which of the following is private IP address?

Mark only one oval.

◯ 192.168.24.43

◯ 168.172.19.39

◯ 172.15.14.36

◯ 12.0.0.1

62.   54. Managed Switch is placed at_____

Mark only one oval.

◯ Layer1

◯ Layer2

◯ Layer3

◯ Layer4

63.   55. In IPv4, service type of service in header field, first 3 bits are called

Mark only one oval.

◯ type of service

◯ code bits

◯ differentiated bits

◯ precedence bits

64.　56. _____is the kind of firewall is connected between the device and the network connecting to internet.

Mark only one oval.

- Hardware Firewall
- Software Firewall
- Stateful Inspection Firewall
- Microsoft Firewall

65.　57. Protocols are?

Mark only one oval.

- Agreements on how communication components and DTE's are to communicate
- Logical communication channels for transferring data
- Physical communication channels sued for transferring data
- None of above

66.　58. Which protocol does Ping use?

Mark only one oval.

- TCP
- ARP
- ICMP
- BootP

67.   59. Which is a Connection Oriented Protocol?

Mark only one oval.

◯ UDP

◯ TCP

◯ IP

◯ None of these

68.   60. Network layer at source is responsible for creating a packet from data coming
from another

Mark only one oval.

◯ Data

◯ Link

◯ IP

◯ Protocol

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