

# Networks Fundamentals Exam Intake (44)

- EXAM TIME FROM 9:00AM TO 9:30AM
- You MUST submit your answers before the end of time OR your answers will NOT be uploaded
- Online Search is not allowed
- It is not allowed to leave the exam room before the end of time
- GOOD LUCK



\* Indicates required question

Email \*

Your email

Name \*

Your answer



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Track \*

Your answer

Branch \*

Your answer

1. The process of a web server adding a TCP header to the contents of a web page, followed by adding an IP header and then adding a data-link header and trailer, is an example of what? \*

- ☒ Data encapsulation
- ☐ Same-layer interaction
- ☐ OSI model
- ☐ All of these answers are correct.



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2. What information is added during encapsulation at OSI layer 4? \*

☐ source and destination MAC address

☐ source and destination IP address

☐ (2) source and destination application protocol.

☒ source and destination port

3. Availability is considered one of the security goals and it means ensuring that illegitimate users are not denied access to information and resources. \*

☐ True

☒ False



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4. Which of the following terms are not valid terms for the names of the seven OSI layers? \*

☐ Application

☐ Data link

☐ Presentation

☒ Internet

5. A hash can be used to provide confidentiality of data \*

☐ true

☒ false

6. In which class the IP address 92.168.1.1 exists \*

☒ Class A

☐ Class B

☐ Class C

☐ Class D

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7. An intrusion detection system (IDS) is primarily designed to perform what function? \*

☐ Test a system for vulnerabilities

☒ Detect abnormal activity

☐ Rate system performance

☐ Detect system failures

8- You want to implement a mechanism that automates the IP configuration. Which protocol will you use to accomplish this? \*

☐ DNS

☐ SMTP

☒ DHCP

☐ ARP



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9. Which of the following is a weakness in an information system that an attacker might leverage to gain unauthorized access to the system or data on the system? \*

☒ Vulnerability

☐ Mitigation

☐ Exploit

☐ Risk

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

☒ Spyware

☐ Malware

☐ Adware

☐ None



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11. In case you have a little inbox storage which of the following protocols can be used in e-mail service to keep your storage on the mail server always available? \*

☐ IMAP4

☒ POP3

☐ SMTP

☐ Outlook

12. the ISO/OSI model is a ... model for internetworking \*

☐ Expensive

☒ Conceptual

☐ Real

☐ Cheap

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What actions does the host do when the DHCP server is down? \*

☐ it will have the same IP

☐ it will haven't any IP

☒ (2) it will use APIPA range

☐ it will show an error

14.UDP is characterized to be a ... protocol \*

☐ Reliable

☒ Best-effort delivery

☐ Connection-oriented

☐ The most commonly used over Internet

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15. Which of the following layers must be adapted to the transmission media type \*

☒ Physical Layer

☐ Network Layer

☐ Transport Layer

☐ Data-Link Layer

16. In OSI model, which of the following layer provides error-free delivery of data? \*

☐ data link

☐ session

☒ transport

☐ network



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17. Identify which of the services below use both TCP and UDP ports. \*

☐ FTP

☐ Telnet

☐ SSH

☒ DNS

18. A \_\_\_\_\_ is a device that forwards packets between networks by processing the routing information included in the packet. \*

☐ firewall

☐ bridge

☒ router

☐ Hub



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19. Which range of ports numbers identifies all well-known applications: \*

- ☐ 0 to 255
- ☒ 0 to 1023
- ☐ 1024 to 2047
- ☐ 256 to 1022

20. What Port Does Telnet Use \*

- ☐ 22
- ☐ 80
- ☒ 23
- ☐ 113



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21. Which phase of hacking performs actual attack on a network or system? \*

- ☐ Reconnaissance
- ☐ Maintaining Access
- ☐ (2) Scanning
- ☒ Gaining Access

22- The protocol used to send emails from host to mail server is ..... \*

- ☒ smtp
- ☐ p³p3
- ☐ imap
- ☐ ppp

23- We must use a domain name server to connect to internet \*

- ☐ True
- ☒ False

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24- The length of the IPv4 address is ... bits \*

☐ 8

☐ 4

☒ 32

☐ 64

25- SSH protocol uses port 21 \*

☐ True

☒ False

26- TCP is used for situations where some data loss is acceptable, like live video/audio, or where speed is a critical factor like online gaming \*

☐ True

☒ False



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27- ..... is used to map IP address into MAC address \*

☒ arp

☐ RARP

☐ IGMP

☐ ICMP

28-Layer 2 Switches are depending on mac address to transfers messages \*

☒ True

☐ False

29-When using POP3 protocol, internet connection is needed all the time \*

☐ True

☒ False



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30- NETSTAT command can be used to ..... \*

☐ Test the network connectivity between machines

☒ Display the machine connections in IP/port

☐ (2) Correct the packet errors in header and data

☐ Delete the default addresses of packets

31. The default mask for Class B network is \*

☐ 255.255.255.255

☐ 255.255.255.0

☒ 255.255.0.0

☐ 255.0.0.0

32. You are an administrator and responsible of publicly accessible web server on the internet . Can you assign the IP address 10.213.214.215 to the server? \*

☐ True

☒ False

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33. We MUST use a domain name server (DNS) to connect to a webserver on the internet \*

☐ True

☒ False

34. If the default gateway is configured incorrectly on the host, what is the impact in communications? \*

☐ the host is unable to communicate on the local network

☒ the host can communicate with others on the local network, but is unable to communicate with hosts on remote networks

☐ the host can communicate with others on the remote network, but is unable to communicate with hosts on local networks

☐ there is no impact on communication



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35. The unit of communication at the physical layer is .....and in the data link layer is ..... \*

☒ Bits, frames

☐ Frames, bits

☐ Segment, frames

☐ Bits, Packets

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